

selfbuilder + homemaker

MAY/JUNE 2019

Making a statement

Downsizing didn't mean playing it safe when it came to the design of a Sussex couple's home

The next step for sustainability

Alleviating air-tightness with heat pump ventilation

Bringing the inside out

Outdoor living spaces

5 TYPES OF TIMBER, AND WHAT TO DO WITH THEM

A carpentry expert gives some practical tips



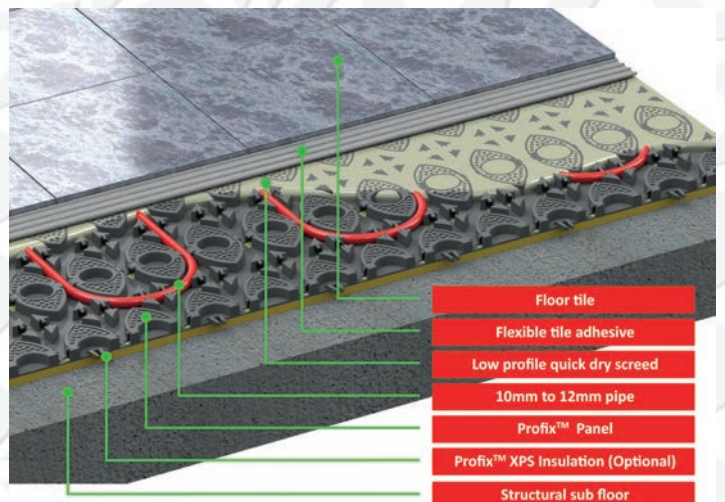


LOW PROFILE SCREED SYSTEM



VERY LOW PROFILE • HIGH HEAT OUTPUT • EASY TO INSTALL
IDEAL WITH HEAT PUMPS • APPLY FLOOR COVERINGS IN JUST 24 HOURS

The Profix™ Panel is a revolutionary new pipe retention panel designed for use with warm water underfloor heating systems incorporating pipe from 10mm to 12mm diameter. When combined with a quick drying self-levelling screed compound the system provides a very low profile (as thin as 15mm) high heat output floor heating solution suitable for both new build and retrofit projects. The system can deliver high heat outputs even at low water temperatures making it an ideal solution for use with heat pumps.



01923 725180 | sales@epicinsulation.co.uk | www.profixpanel.co.uk

Registered Office: 22 Wycombe End, Beaconsfield, Bucks, HP9 1NB Registered No. 7702051 VAT No. 121 5128 60



CASE STUDY

16

Going up the hill to downsize

Building a contemporary home had always been at the back of one west Sussex couple's minds, but it wasn't until downsizing became the sensible decision that the build could be a reality. Roseanne Field reports

REGULARS

4

News

10

Ask the Expert: Types of timber

How do you decide what style of house is for you? The materials you choose can heavily influence the space you create. In this article Carpenter Oak talk you through some of the timber choices which are open to self-builders who are keen to make wood a core part of their build

12

Interior Inspiration Flooring

We present some of the best current options underfoot

37

Doors & Windows Supplement

59

Classified & Directory

PRODUCT FEATURES

31

A healthy home is a sustainable home

Heat recovery ventilation can offer dramatic health benefits, but going a step further with heat pump ventilation can also offer energy efficient heating and cooling says Clarissa Youden of Total Home Environment

35

The right rainwater system

Yeoman Rainguard's Sally Moores discusses the variety of options available when it comes to rainwater systems – and how to choose the right one for your project

51

Electric range cookers – at home in any kitchen

Stylish, versatile and easy to install, modern energy-efficient range cookers are enjoying a new lease of life in both town and country, as ESSE's Mark Blewitt explains

55

Grand gardens

Millboard's Caroline Birdsall discusses the various styling options and products available to help you achieve a premium outdoor space

CONTENTS

MAY/JUNE 2019

PRODUCTS

FINANCE & INSURANCE

25

SITE PREPARATION

Building Products & Services	26
Drainage & Plumbing	27
Workwear	27

BUILDING FABRIC & EXTERIORS

Bricks & Blocks	28
Glass & Glazing	27
Green Roofs	28
Heating & Renewable Energy	27
Home Ventilation	28
Insulation	33
Rainwater Systems	29
SIPs	34
Timber & Joinery	48

FIXTURES & FINISHES

Bathrooms & Wetrooms	58
Coatings & Paints	58
Fires & Fireplaces	49
Furnishings	58
Heating & Ventilation	49
Kitchens & Appliances	50
Outdoor Living	54
Stairs, Balustrades & Balconies	53
Technology	58

JOINT PUBLISHER

Anthony Parker

MANAGING EDITOR

James Parker

ASSISTANT EDITOR

Roseanne Field

EDITORIAL ASSISTANT

Shelley Collyer

STUDIO MANAGER

Mikey Pooley

PRODUCTION ASSISTANTS

Georgia Musson
Kimberley Musson

SENIOR SALES EXECUTIVES

Sheehan Edmonds
Nathan Hunt

SALES EXECUTIVES

Suzanne Easter
Kim Friend

AUDIENCE DEVELOPMENT
MANAGER

Jane Spice

MANAGING DIRECTOR

Simon Reed

PUBLISHED BY



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

ADVERTISING &
ADMINISTRATION

01435 863500
info@netmagmedia.co.uk
www.sbhonline.co.uk

EDITORIAL FEATURES

jparker@netmagmedia.co.uk

PRESS RELEASES

editorial@netmagmedia.co.uk

SUBSCRIPTION &
CIRCULATION ENQUIRIES

info@netmagmedia.co.uk



Cover image © Roseanne Field
See page 16

EDITOR'S LETTER



change is a major issue, but what are you doing about it?

The climate change agenda has rightfully returned to centre stage. This has been driven by not only the visits of enlightened campaigners like Greta Thunberg to the UK and the Extinction Rebellion protests, but also the stark realisation that time is running out. A recent UN estimate was that we have 11 years to act in order to prevent damage to the earth being irreversible.

If we do not all – as individuals and businesses – act more responsibly starting now, our descendents in 100 years are going to regard us as unforgivably negligent. The question is surely not whether or not climate

Buildings provide around 40 per cent of the UK's total carbon emissions, so homeowners can have a huge part to play in helping reduce the footprint, given their numbers. Self-builders, who tend to construct homes that are larger than most, also arguably bear a larger responsibility to minimise energy use. The good news is they are taking major steps to introduce greener technologies and materials, better building standards, and smarter ways of controlling their homes once in use.

Most if not all of the case studies we feature tend to have a strong focus on sustainability, however will there be harder trade offs in future between the swathes of glass many want, and the kit that's needed to reduce the heat gained? Could Passivhaus become more mainstream in future? I'd argue the compromises might be worth it.

JAMES PARKER

DIARY

BUILD IT LIVE

8 - 9 JUNE, BICESTER
www.builditlive.co.uk

MAKING THE MOST OF YOUR PLOT

15 JUNE, ST NEOTS
www.potton.co.uk/courses

KITCHEN & BATHROOM DESIGN MASTERCLASS

22 JUNE, ST NEOTS
www.potton.co.uk/courses

SOUTHERN HOMEBUILDING & RENOVATING SHOW

29 - 30 JUNE, SURREY
surrey.homebuildingshow.co.uk

THE NSBRC GUIDE TO RENOVATION PROJECTS

5 JULY, SWINDON
www.nsbr.co.uk/renovation-course

ASK AN ARCHITECT

6 JULY, SWINDON
www.nsbr.co.uk/ask-an-architect

THE SELF BUILD COURSE

20 - 22 JULY, SWINDON
www.nsbr.co.uk/the-self-build-course

INTRODUCTION TO SELF BUILD & FINDING LAND

10 AUGUST, ST NEOTS
www.potton.co.uk/courses

All Rights Reserved

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

No part of this publication may be reproduced or transmitted in any form or by any means, electronic, mechanical, including photocopying, recording or stored in any information retrieval system without the express prior written consent of the publisher. Although every effort is made to ensure the accuracy and reliability of material published in Selfbuilder & Homemaker, the publisher can accept no responsibility for the claims or opinions made by contributors, manufacturers or advertisers. Editorial contributors to this journal may have made a payment towards the reproduction costs of material used to illustrate their products. The manufacturer of the paper used within our publication is a Chain-of-Custody certified supplier operating within environmental systems certified to both ISO 14001 and EMAS in order to ensure sustainable production.

Printed in England

A celebration of sustainable self-build at Grand Designs Live

The 15th edition of Grand Designs Live has been hailed by the organisers as “one of the most exciting, engaging and informative to date”.

The show, which was held at London’s ExCeL, had a heavy focus on sustainability and self-build, and worked in co-operation with the National Custom & Self Build Association (NaCSBA) to host National Custom and Self Build Week.

Visitors had the opportunity to chat with a host of exhibitors, gain first-hand advice from self-builders and watch panel discussions on the topic of the week: busting the myths of self-build. To coincide with National Custom and Self Build Week, the show launched the Self-Build Clinic, which was located within the Ask an Expert area and gave prospective builders the chance to get advice from NaCSBA members.

Also at the show for the first time was the opportunity for visitors to watch a live build taking place. Studio Bark created a home using the U-Build concept they developed with help from Structure Workshop and Cut and Construct. As well as being able to watch the progress, visitors also took part in assembling components that were used in the final build. Part of the concept is allowing self-builders to view the complete structure using ‘augmented reality’.

Several other new features also launched at the show. These included the Upcycling Hub – a platform for upcycling designers to showcase their craft and pieces; the Under The Stairs Project – a competition which saw eight designers install an interior design showcasing different ways of utilising the space under the stairs; and Design Discovered – a showcase of six emerging design brands, chosen by Barbara Chandler, design editor of *Homes & Property* at the *London Evening Standard*. Each of these brands was given a bursary to enable them to tell their stories and exhibit at the show.

As well as the new elements, the show also saw the return of Kevin’s Green Heroes, a showcase of the latest eco-friendly innovations for homes chosen by Kevin McCloud. Continuing the sustainability theme, Grand Designs Live also teamed up once again with charity Friends of the Earth, who launched the Green Finger Campaign, part of which included a Wildlife Forest exhibit – designed to show visitors how and where to create wildlife-friendly environments in whatever outdoor space they have available.

On 9 May, Kevin McCloud was joined on the main stage by Housing Minister Kit Malthouse MP, where they discussed the housing crisis and explored how custom- and self-build can support the housing market’s sustainability goals. Malthouse commented: “In the projects of self-build that I have seen the sense of ownership and community that comes from self-build homes is incredible. Self-builders can choose to reduce bill costs in the long run by investing in eco-friendly and Passivhaus systems, which should in turn accelerate the movement towards reduction of carbon and use of fossil fuels in the housing market.”

McCloud added: “I have always believed that self-build can deliver a better and greener build, with lower costs than anything the market can offer; but the general public see self-build as a scary, expensive, protracted and difficult undertaking.”

He continued: “Grand Designs Live, along with National Custom and Self Build Week are helping to clarify the reality of self-build, alleviate the inevitable stress, show people just how much professional support there is out there and bust the myths surrounding this incredible opportunity to build a dream home.”



Availability and price of land remain key factors to future growth of self-build, says AMA Research

The latest self-build market report from AMA Research highlights the “strong disconnect” between the number of available sites and where people want to build.

It found that the number of applications for self-build projects in the home counties and the south west is “relatively large” compared to the number of available sites. In areas such as the Highlands, Northern Ireland and the north east, the number of sites available are “notably higher” when compared to the number of applications. Throughout the UK, there are “significant variations” in the level of self-build demand and available plots to facilitate this.

The growth in house prices in the UK has enabled “mature” self-builders to self-fund projects through a number of means such as using savings, revenue from property sales, remortgages and other types of loans.

However, council planning systems are being viewed as one of the biggest constraints for self-builders, for allocation and the granting of permission for smaller sites.

Over the next four years, says AMA Research, the future prospects for the self-build market “remain positive but relatively modest”, with self-build volumes rising slowly. The company’s forecasting takes into consideration what it says are key drivers such as “lack of consumer confidence due to the uncertain economy, continuous constraints in the planning process and a relatively constrained mortgage market”.

The information was taken from its ‘Self Build Housing Market Report UK 2018-2022’, which is available to purchase from the company’s website (amaresearch.co.uk).

Housing Minister pledges support for custom- and self-build

Following Richard Bacon MP recently raising the issue of self- and custom-build in a debate on housing in the House of Commons, Housing Minister Kit Malthouse "responded positively," according to the National Custom & Self Build Association (NaCSBA).

Bacon stated what he believes to be the main barriers to the market – namely issues surrounding finance, land, and planning. He asked the Government to consider five aspects:

- A review into its funding for the Right to Build Task Force
- Updating and improving the planning guidance on custom- and self-build housing
- Whether the Planning Inspectorate would commit to "adequate training around the Right to Build legislation, to ensure the current provisions are consistently and correctly applied"
- Support for "some form of campaign for consumer awareness"
- Whether the Government would address the issue of how "viability" is assessed

In response, Malthouse said housing should be the priority of not only the Government but the entire country, and that he supports new and innovative methods of housing supply. The Minister said he would "be happy to help" Bacon by "sponsoring some kind of event to promote the idea and to help local authorities to learn".

He also said he will review the Right to Build Task Force and look at reviewing planning guidance with a particular focus on land allocation, and concurred there is a need to discuss consistency in decision making with the Planning Inspectorate.



Kit Malthouse

LIVING THE DREAM IS 'DESIGNING AND BUILDING YOUR OWN HOME,' RESEARCH FINDS



According to research conducted by self-build super-development Graven Hill to coincide with Custom and Self Build Week, 71 per cent of under 35s "dream of designing and building their own home".

Almost half of those surveyed said that would rather spend their money on achieving that dream than getting

married, and more still would go without a luxury holiday or new car. One in three said they are "seriously considering" designing and building their own home in the next three years.

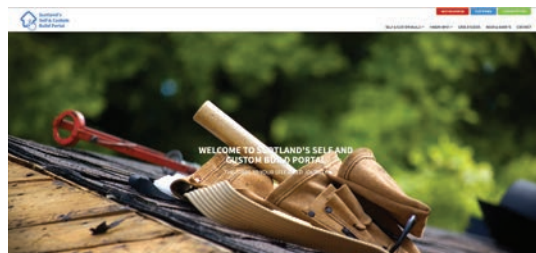
Commenting on the findings, Graven Hill managing director Karen Curtin said: "Young people are looking for an escape from austerity and the traditional home. They know what they want and don't want to wait for the economy to stabilise, or wage growth to close the affordability gap, which may never happen."

The research also found that "out-dated perceptions" surrounding cost could be putting people off. Forty five per cent of respondents were concerned about the cost of building a home and one in ten felt they "lacked the experience to manage contractors and oversee a project of this nature".

Curtin added: "Many people have an image of their dream home in their mind but believe it is simply too expensive or complicated to undertake. However, there are options for all demographics and budgets. In a market where many people are put off by standardised new build developments we're seeing an increase in people opting for custom-build new homes, which can be completely tailored to their criteria."

Graven Hill is a development of self- and custom-build homes in Bicester, Oxfordshire. It was recently the focus of a six-part TV series, *Grand Designs: The Street*, which followed the stories of 10 self-builders.

Scotland launches self-build portal



The Highlands Small Communities Housing Trust (HSCHT) has launched a self- and custom-build portal offering specific advice to self-builders based in Scotland.

The website mirrors the National Custom & Self Build Association (NaCSBA)'s portal, and has been launched following a successful bid for funding from the Scottish Government's Self and Custom Build Housing Pilot Challenge Fund. The fund was launched in 2017 with the aim of helping pilot projects whose aims were to "demonstrate and promote the value of self- and custom-build as an alternative mainstream housing delivery model," in a bid to encourage growth in the sector.

The advice is tailored to Scotland whose policies differ from those in England. It also features a list of available plots and an interactive tool, 'Getting Started', to help potential self-builders price the work and see what they could save by doing certain things themselves.

HSCHT has worked on a number of projects with various finance routes in order to support self- and custom-build being available to as many people as possible.



MAGIC!

The unique preSelect roof window.

One click and it changes from a top hung to centre pivot window.

preSelect gives you more space; unrestricted views; easy cleaning; greater safety and security. Add to that its bottom handle for ease of use; automatic ventilation and outstanding energy efficiency, we think you'll agree it's a package that no other manufacturer can match.

www.fakro.co.uk/info
t: 0333 600 0909

FAKRO®
Better, by design

Self-build is a ‘practical’ way to solve the housing crisis, says MP Prentis



Victoria Prentis, Conservative MP for North Oxfordshire, has said that increasing custom-built housing stock is a practical way to solve the country's housing woes.

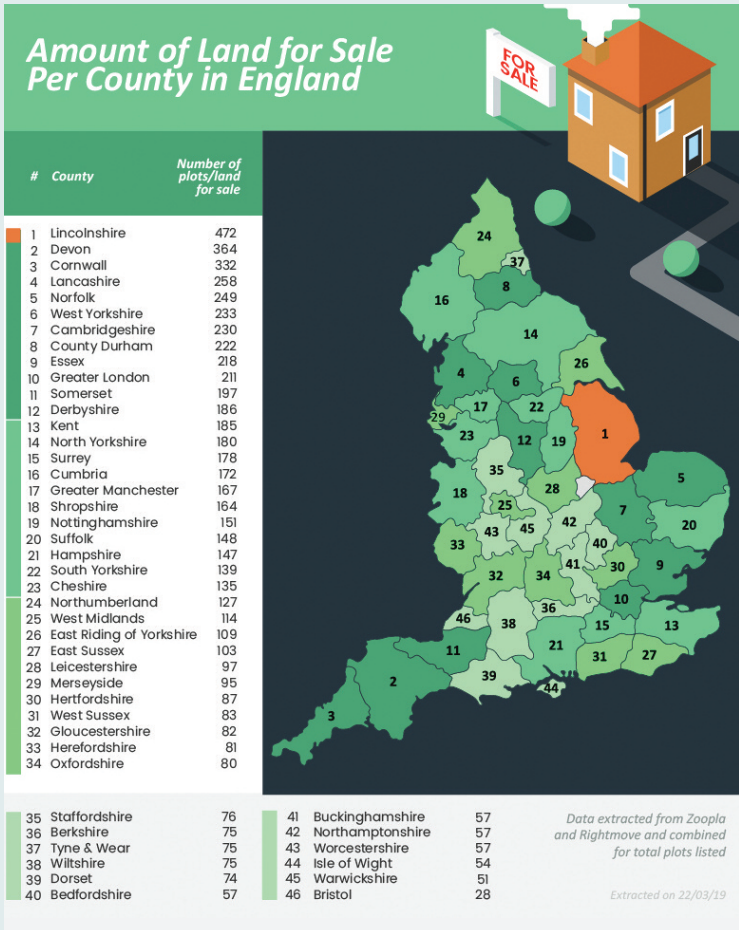
Identifying that only 8 per cent of housing stock was built via custom-build, Prentis highlighted that access to land, finance and the planning system are the main barriers and that Cherwell District Council, through its Graven Hill site, is doing much to “alleviate the burden”.

The National Federation of Builders (NFB) has welcomed the fact another MP is recognising the barriers facing smaller developments. It says it is “delighted” that decision-makers are beginning to understand the financial, community and environmental benefits of self-build.

The popularity of self-build, the organisation says, has “not been helped” by local authorities focusing on larger sites to meet housing demand. They often lack a local self-build policy and have “failed to capitalise” on the Right to Build register implemented in 2016. When those failures are added to a “broken” planning system and the shortage of skilled workers, the NFB said self-build becomes a “daunting proposition”.

Richard Beresford, NFB chief executive, commented: “The Government backed self-build but too few local authorities have realised its true potential. Self-build homes are typically built by local developers, who win work on reputation and employ locally, therefore contributing to local housing and local employment.”

Head of housing and planning policy at the House Builders Association (HBA), Rico Wojtulewicz said: “We are 100 per cent behind self- and custom-build but it needs to be supported through planning policy. Despite being in place for a couple of years, too few homes are enabled through the Right to Build register and this means that councils aren’t doing anywhere near enough to get the right homes built in the right places. Self-build is part of the solution to the housing crisis.”



Research reveals the counties in England with the most land for self-build

Research by Farawayfurniture.com has revealed which counties present the most opportunity for self-build, versus the least.

The company undertook its research by using property sites Zoopla and Rightmove, with the number of land/plot listings per county in England extracted separately then combined.

Lincolnshire came out on top, with a combined total of 472 plots for sale. Alongside the county making up the top ten were Devon with 364, Cornwall (332), Lancashire (258), Norfolk (249), West Yorkshire (233), Cambridgeshire (230), County Durham (222), Essex (218), and Greater London (211).

At the other end of the spectrum, the county with the least number of listings was Bristol with just 28. It was followed by Warwickshire with 51, Isle of Wight (54), Worcestershire (57), Northamptonshire (57), Buckinghamshire (57), Bedfordshire (57), Dorset (74), Wiltshire (75), and Tyne and Wear (75).

The data was compiled from manual searches made on the property websites on 22 March.

express
bi-folding doors

SPACE TO LIVE

- FREE inspirations brochure
- British design & craftsmanship
- Nationwide design & installation service
- All products made bespoke to our unrivalled quality
- Comprehensive guarantee on all products and installations

Discover that anything is possible with Express. View our incredible range of bespoke bi-folds, sliding doors and aluminium glazing products in our truly amazing showrooms. Whether building or renovating, you'll see for yourself how our constant innovation and unrivalled passion gives you market-leading products and a service that can't be matched.

Experience how only perfect will do. Visit one of our amazing showrooms in Leeds, Glasgow, Redhill or Romford.

Create a space for happier living
Visit: expressbifolds.co.uk
or Call: 0800 121 4809

SETTING THE
STANDARD
SINCE 2007

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

MADE
IN GREAT
BRITAIN

Timber types

How do you decide what style of house is for you? The materials you choose can heavily influence the space you create. Carpenter Oak talk through some of the timber choices open to self-builders who want to put wood at the core of their project

There are so many choices to make when building your home. However, if you are looking for beauty, value for money and sustainability, then a structural timber frame is one of the best options for self-builders.

WHAT ARE THE BENEFITS OF TIMBER FOR A SELF-BUILD?

Timber offers design freedom, warmth, texture and a rather therapeutic aroma, as well as speedy build times. The timber frame itself is manufactured offsite and handcrafted in a workshop, meaning groundworks can take place at the same time, giving the self-builder ultimate value for money on the project.

Sustainable living is a hot topic at the moment and something many self-builders are keen to consider when embarking on their project. When using responsibly sourced timber you are often actually helping to plant more trees than the number being felled.

WHAT DOES GREEN OAK OFFER?

For the traditionalist, oak is iconic, naturally providing the curves and arches we all recognise as typical of timber framing. You can see the lines and shapes in the wood, and even hear it change as it naturally adapts to temperature, dries with age and actually becomes stronger. Oak's incredible durability means that,

used in a rough-sawn state, it can last for centuries without requiring treatment. The interior will maintain a beautiful honey gold colour, while externally oak will weather to a softer grey hue as it blends into the landscape.

Green oak continues to be the exclusive choice of framing carpenters. Being new timber, it is easier to cut and shape than older timber which may have become split or deformed.

WHAT ABOUT DOUGLAS FIR?

If clean lines and a crisp finish is the style you enjoy, then Douglas fir can be an attractive option, creating a more contemporary frame. The timber has an orangey-pink hue, maturing to a deeper orange over time, giving it a distinctive feel and flavour. Douglas fir performs best in straight frames.

Due to a lower moisture content, Douglas fir seasons more quickly than hardwood, so can require surface finishes to bring out its natural character. While it is a softer wood than oak, it is well suited to timber framing and a confident and natural partner to engineering features, glass, external panelling and decking.

Buying Douglas fir from certified, well-managed UK forests can mean it's significantly cheaper than some other timbers. Also, by the time the frame is produced, it has lost a great deal of moisture, making it a calmer timber to live with than oak.

WHAT BENEFITS DOES GLULAM OFFER?

When self-builders are looking to achieve a more complex or expansive timber framed spaces, glue laminated – or glulam – timber is often used, especially for large-scale projects. It is extremely stable, without surface imperfections. This allows it to be used in place of steel as an engineering solution, as well as a making an impressive feature in its own right.

Incorporating a range of woods (including oak, Douglas fir, chestnut and ash), glulam provides straight and uniform timbers to bespoke lengths. Unlike an oak frame, glulam will not move. If natural cracks and splits are not your style, glulam is an option for a more managed finish. Its stability is due in large part to a lower moisture content (around 8-12 per cent). Glulam's stability allows special shapes and structures to be made to created, making it one of the more specialist timbers within timber framing.



HOW ABOUT LARCH?

Larch is a versatile timber, working well in exterior structures and cladding as its resin content naturally protects it from decay. While larch is a softwood, it is renowned for its durability. Larch brings character to patios, porches and balconies, as well as building finishes such as cladding.

Larch blends particularly well with Douglas fir. These two timbers form a natural partnership for projects where timber design is key to indoor and outdoor spaces.

AND FINALLY, WHAT CAN CEDAR OFFER?

Western red cedar is a popular choice for cladding due to its excellent durability and stability alongside great thermal and acoustic properties, as well as a low risk of twist, shrink, check or warp. It is for this reason the best quality beehives are made from it. This highly attractive, low-density timber is light and relatively easy to install. When left untreated, it will fade to a beautiful silver sheen because it contains no resin, which also means it can



take a range of paints and stains to complement your building style.

Structural timber is a growing market, with more and more people keen to bring

the outdoors in and live with the beauty of natural materials in their home. The question is – which timber is best for your project?

Creating a community with Kingspan TEK



Kingspan TEK Cladding Panels have provided an offsite wall solution for a school and leisure campus in Littleport, helping the project to achieve excellent thermal performance within a tight construction deadline. Kingspan TEK Structural Insulated Panels were designed and factory cut to the project's unique specifications by Kingspan Timber Solutions. This offsite production process minimised site waste and enabled the panels to be quickly installed onto the steel frame, ready for main contractors,

Morgan Sindall Construction, to apply the final external finishes. The highly-insulated core of the Kingspan TEK Cladding Panels allowed the project to meet its thermal performance targets.

01544 387 384 www.kingspaninsulation.co.uk/BIM

National Ventilation wins award



National Ventilation has triumphed at the prestigious Electrical Wholesaler Awards 2019. The company's Monsoon IntelliSystem Heat Recovery Unit took home the 'Best Energy Saving Product' award while its Monsoon Zone 1 Silence Range was also Highly Commended in the 'Best New Product' category. The company received the accolades on Thursday 9th May 2019 at the Tower Hotel in central London.

Attended by the biggest names in the electrical sector the event was hosted by comedian Sean Collins. Mick Daniels, Sales Director at National Ventilation said: "It's wonderful feedback from the industry that our customers love our products and we are very thankful for this mark of support."

01823 690 290 www.nationalventilation.co.uk

Oak frame buildings ideal for self-assembly or by our expert team

Please visit our website oak-designs.co.uk to see further examples of our product range and special offers. You can also now design your own garage using our 'Quote my Design' tool online.

SUMMER OFFER

THE BARCOMBE
£3,000+ VAT*
*T&Cs available upon request. Offer ends 30/09.

Outdoor Living | Garages | Dual purpose buildings |
 Garages + first floor | Home offices | Gazebos | Porches

01273 400411
sales@oak-designs.co.uk
www.oak-designs.co.uk

Oak Designs Co.



INTERIOR INSPIRATION: FLOORING

Flooring is sometimes underappreciated as a key element of interior design, going way beyond simple durability to having a big visual impact as the home's largest canvas. Here we present some of the best current options underfoot





1. Make a striking statement in your home by introducing **Slate Greek Key** carpet from **Carpetrigh's Columbus** collection. The bold carpet is sure to draw the eye and create an instant impact. The carpet is 100 per cent polypropylene, making it durable, hardwearing and stain resistant.

www.carpetrigh.co.uk

2. **Claybrook Studio's Habitation Parquet Mountain Chalet** flooring utilises a classic style in a neutral colour that makes it perfect for both tradition and more modern interior schemes. As the wood grain catches the light, the floor "comes alive with texture and movement."

www.claybrookstudio.co.uk

3. The porcelain wood-effect **KOS** tiles from **Stone & Ceramic Warehouse** offer all the aesthetic benefits of wood flooring without the associated maintenance. Blended with realistic and natural colours, the tiles are available in both a classic brown and modern grey (pictured).

www.sacw.co.uk



4. Marble is very on-trend, and the **Grigio del Colle 02** porcelain slab tiles from **Stone & Ceramic Warehouse** realistically imitate the effect. They're ideal for creating a contemporary, seamless look and the large size means fewer grout lines. The tiles are available in both polished and matt finishes.

www.sacw.co.uk

5. The stylish **Christie Rug** from **Sweetpea & Willow** has been designed in neutral tones, allowing it to blend in with any interior style. It's made from cotton and lurex, meaning it's comfortable to walk on, and durable enough to last for years.

www.sweetpeaandwillow.com

6. When it comes to designing the ideal home interior scheme, aesthetics are just as important as practicality. **Expona EnCore Rigid Loc** from **Polyflor** offers a flooring solution that caters for both. The rigid construction, acoustic foam layer and use of 5Gi click-locking technology provides superior performance in a quick to install floor covering all in a stunning collection of 12 faithfully replicated wood designs.

www.polyflor.com



SELFBUILD
& CONTRACT FLOORS LTD



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

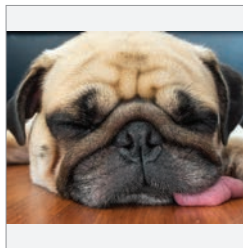
We specialise in a wide range of projects including:

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

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



Let sleeping dogs lie with Norbord's flooring



Norbord's CaberFloor P5 has been upgraded to produce a high performance floor with reduced impact and airborne noise transmission. Called CaberAcoustic, the new product comprises 18mm or 22mm CaberFloor P5 chipboard with a 10mm acoustic felt layer permanently bonded to the underside. Designed as a floating floor laid over an existing deck in either new-build or refurbishment applications, CaberAcoustic is installed with the tongue-and-groove joints glued with CaberFix D3

adhesive and all perimeters of the panel sealed with acoustic flanking strips. Norbord CaberAcoustic boards are 2,400mm long x 600mm wide and are available in 28mm and 32mm thicknesses.

www.norbord.co.uk

Talasey Group celebrates 15 years in business!



Talasey Group is proudly celebrating its 15 year anniversary this June. A milestone for the company, the anniversary represents the landscaping supplier's continued success and ability to exceed customer expectations with a diverse product portfolio and exceptional service. When questioned on the reasons for Talasey's continued success, Founder and CEO, Mark Wall commented: "There are probably three main areas that have been key to our growth, a hard-working team of employees; knowing what our customers and their customers' needs are and delivering on that need; robust supply chain partners." To celebrate, Talasey Group is offering £15 off selected TTA courses and specific merchant only deals.

0330 353 0208 www.talaseytrainingacademy.co.uk



Need help with your wooden floor?



For new installations or renovations – speak to your local Bona Certified Contractor!

At Bona we are passionate about wood floors. Our range of oils and lacquers have been used worldwide for nearly a century to protect and finish beautiful wood surfaces.

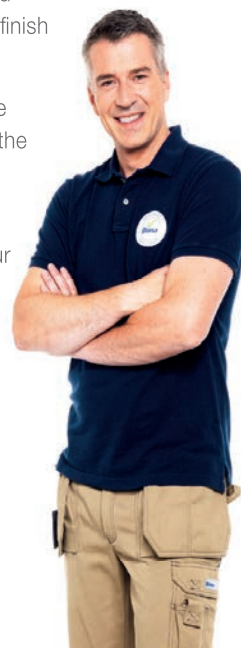
To help you prolong the life of your floor, we've trained a network of wood floor specialists in the use of our dust-free sanding system and high performance coatings.

Call us on 01908 525 150 or use the 'Find your contractor' tool on our website at bona.com to find your local wood floor specialist.

Bona Limited
Tel 01908 525 150
info.uk@bona.com

bona.com

Bona
Passion for wood floors



EnCORE

RIGID LOC

ACOUSTIC LUXURY VINYL FLOORING

EXPONA®

LESS TIME FITTING MORE TIME ENJOYING

When it comes to designing the ideal home interior scheme, aesthetics are just as important as practicality. Expona EnCore Rigid Loc offers a flooring solution that caters for both. The rigid construction, acoustic layer and use of 5Gi click-locking technology provides superior performance in a quick to install floor covering all in a stunning collection of 12 faithfully replicated wood designs.

Find your new floor at polyflorathome.com

QUICK & EASY TO INSTALL

Due to its rigid construction, Expona EnCore Rigid Loc lays beautifully over most even subfloors, this means less subfloor preparation, less disruption in your home and even more time enjoying your new floor.

Faster Installation



CASE STUDY

GOING UP THE HILL TO DOWNSIZE

Building a contemporary home had always been at the back of one West Sussex couple's minds, but it wasn't until downsizing became the sensible decision that it became a reality. Roseanne Field reports

In a village in rural West Sussex sits a house that's quite different from anything else in the area. The country lane leading to it gives little hint of the building sat behind the gates. Driving up the sloped driveway, it's only as visitors reach the top of the elevated site that they first glimpse the very modern, zinc-clad house – which is in stark contrast to the traditional English properties around it.

One such house is Jackie and John's old property, just down the hill from the new one – a Grade II listed, 17th century house that they and their two daughters called home for 16 years. However, with both girls having grown up and moved out, the time had come for the couple to look at downsizing, and this sparked an idea to build their own home at the top of the hill, on land they already owned.

"Self-build had always been at the back of our minds," Jackie explains. But with both of them working full-time, it was never a practical option. It was only when looking to move that it became a more serious conversation. "We thought actually this is our opportunity to build something that we would like – that isn't somebody else's dream," she says. "We were at the right time of life really."

To get the ball rolling they contacted a planning consultant, who advised them to arrange a pre-application meeting with their



local planning team – a decision they're very glad they made, and one Jackie urges other self-builders to make. The original design comprised three elements around a central courtyard but they were told it wouldn't be approved because it was too big for the site and wasn't in-keeping with the location and existing buildings. "It was very worthwhile," she comments. "For the sake of a drawing and a couple of hundred quid, we saved a fortune."

The other thing flagged up in the pre-app meeting was the height of the building, and so the ground was dug out slightly in order for the house to sit lower down. Having amended designs before submitting the application, the process was more or less plain sailing. "Although it was lengthy, and there were a few hitches, it was probably as straightforward as you can get," Jackie says. "We're lucky we don't have any immediate neighbours, so we didn't get any personal objections."

They ended up with an L-shaped design – an idea John came up with, as it allowed them to still

The L-shaped house has a distinctly modern appearance, sitting around a 'courtyard'

OPPOSITE

The exterior is clad in zinc arranged horizontally to echo a barn on the site

All images © Roseanne Field

The couple ended up with an L-shaped design – an idea John came up with as it allowed them to still have a courtyard of sorts

LOW POINT

"The short days in winter when we were getting the inside finishes done and the light was poor, and things had to be redone. Also, living offsite with our old dog who couldn't cope with it, and having the cats living in the barn."



have a courtyard of sorts. They worked on the design with an architectural practice (Felce & Guy) who they'd worked with previously, and who, says Jackie, were "super!" They had a few other design criteria which contrasted with the house they were leaving behind. "We wanted a contemporary house," Jackie says. "We thought this is our chance, let's do something different. We really wanted to have an interesting piece of architecture." They wanted neither a flat nor

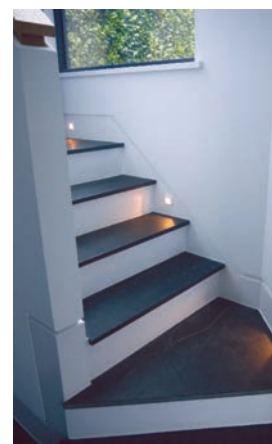
pitched roof, which has resulted in an interesting angled roof design that flattens in the middle and is supported by a ridge beam at the back. Their other main requirement, having come from a period property at the bottom of a hill, was to have lots of light.

A BUMP IN THE ROAD

The couple's desire to get a large amount of natural light into the property naturally meant a



Automatic low-level lighting is a feature internally



lot of glass was incorporated into the design. However, explains Jackie, "one of the things we didn't really realise was that this would mean it gets very hot." The design process was therefore delayed while various technical calculations were done to combat the possibility of overheating, as they wanted to avoid having to install air conditioning. An IES model was used to calculate the risk of overheating using typical summer temperatures, based on the amount of glass and number of opening windows.

In particular, the couple were concerned about the house retaining heat overnight and so the model analysed the temperatures likely between 10 pm and 7 am. They ran the tests using glass with a 0.28 'g' value – 'g' being a measurement of solar gain. "It's one of the darkest, most heat-resistant types of glass you can get in this country," Jackie explains. "It cost more but it means we don't have to have air conditioning." A high-performing triple glazed unit has an average g value of 0.5, while a Building Regs-compliant double glazed unit is around 0.7.

By using this glass and including additional opening windows, the tests concluded the overnight temperature wouldn't exceed 26 degrees, aligning with the Chartered Institution of Building Services Engineers (CIBSE) guidelines. In addition, pipework for air conditioning has also been incorporated so it can be easily installed in the future if necessary.

Once the glass issues were ironed out, they

After the initial hiccups, the build finally got into full swing

were finally ready to start onsite in February last year. The couple had moved into a cottage just to the side of the site where the new house sits, having portioned off the land and sold their house in August 2017. "We could have built while we still owned the house, but we didn't want to end up owning two," explains Jackie.

One of the first jobs to take care of was connecting to utilities – which should have been relatively simple as they were already connected to water and electric, and had a sewage treatment system. At the last minute, they learned the electric supply needed to be improved. "We found we had to improve the earthing after we started onsite, it hadn't been flagged up," Jackie says. "Nobody realised until the electrical engineer turned up, so that was an extra cost."

MOVING FORWARDS

After the initial hiccups, the build finally got into full swing. The house is constructed using a traditional brick and block system. Jackie says:

HIGH POINT

"The day they dug the first hole – actually getting started onsite."

SO QUIET

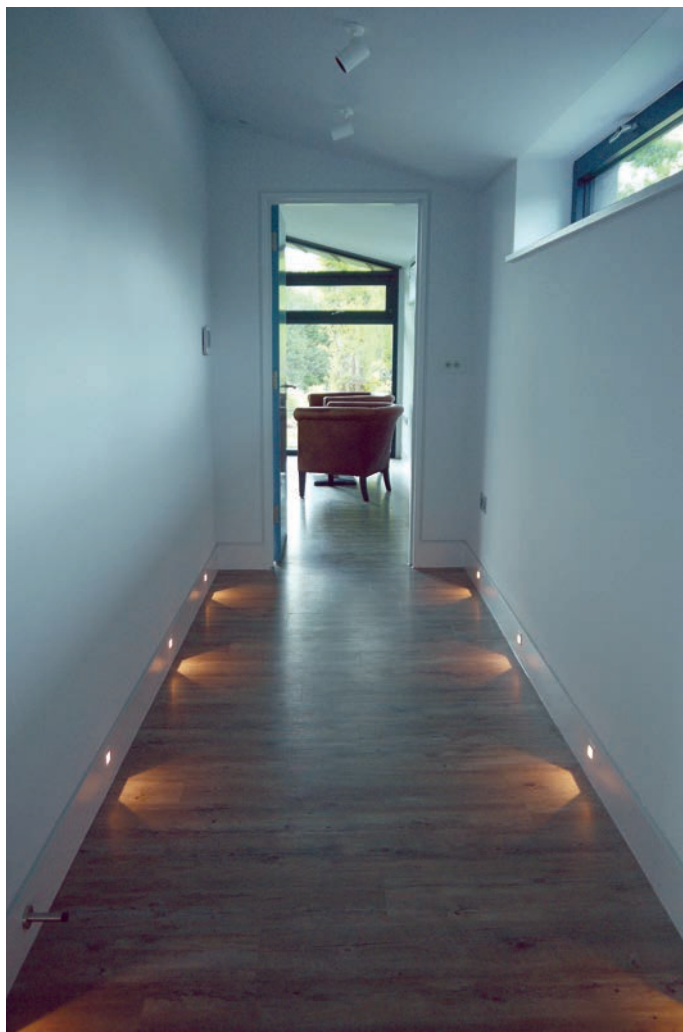
WE HAD TO SHOUT
ABOUT IT

Ultra Quiet Ecodan The **NEW LOW NOISE** Air Source Heat Pump

- An 8 dB(A) drop in sound output
- Virtually eliminates the need for planning permission
- Allows installation under Permitted Development

Keep it quiet, visit **ultraquietecodan.co.uk**





"We thought about using something else, but with the angles used in the design, the architect said 'actually, you might as well go traditional.'"

The house is clad in a mixture of yellow brick and zinc – a recommendation of the architect. To the right of the driveway as you enter the property is an old barn, clad in horizontal weatherboarding. The zinc panels have been fixed horizontally as opposed to the usual vertical placement to echo the barn in a contemporary way. The planners were reportedly favourable to the use of zinc for its ability to achieve this aim, despite its modern aesthetic.

The house also features porticos at one end, which again were included to reflect the barn. It was these that proved challenging when deciding what to clad the house in, as Jackie explains: "We were thinking about having a cement fibre tile, but we couldn't figure out how to do it with the porticos." The house also has no visible gutters or downpipes – another of the couple's requirements.

The schedule of the build meant the zinc installation was being done at the height of the hot 2018 summer. "Up here you're so exposed, and the zinc was fabricated onsite so they were out there getting very hot, they struggled with that," says Jackie. In addition, some fiddlier elements of the build caused issues, such as the unique shape of the roof, and the shadow gaps that have been included around the house's

interior – an idea they got from the home of a friend. "The builders hated doing it, but we really like it!" Jackie says.

The two 'arms' of the L-shape are connected by a glass-fronted entrance hall. Off to the right is the large open-plan kitchen/living area, which includes sliding doors out onto the courtyard area. There's also a utility room at the side of the kitchen. To the left of the entrance hall is a small book room/home office and at the end a TV/music room. "It's a really nice room, it's very cosy," says Jackie. The room features a built-in unit with a sliding glass door that hides the TV, an idea she got from an interior design course that she took. "It was a really good thing to do, because it makes you view how you're living in different ways."

Leading from the entrance hall, the stairs follow the walls around three corners up to the first floor. They were built of concrete in order to avoid creaking, and are finished with a slate tile. A gallery-style landing leads to the guest bedroom – which benefits from views of the fields out the back – with ensuite, and the master bedroom which includes a walk-through dressing room and ensuite. The floor-to-ceiling glass in the master bedroom is angled into the apex to make the most of the views out over the land, including the pond.

At the other side of the stairs are a further two double bedrooms – one for each of their

JACKIE'S TOP TIPS

- * Go through a pre-application stage
- * Put aside time to be onsite everyday – you need to have a flexible working arrangement (and you can forget about long foreign holidays!). Even if you think you've made all the decisions, there are still hundreds to make
- * Don't underestimate the importance of cost control advice from a third party
- * Make sure there's enough space for materials, storage, vehicles etc.
- * Ensure the main contractor uses subcontractors they've used before, especially on a bespoke house

Planning Permission Granted? What Next?



POTTON
A KINGSPAN COMPANY

For most, securing planning permission is an exciting milestone in a project but it's not the end of the journey and there is a lot to do before work can start on site. Paul Newman, Self Build Director, Potton

Sense check

Once permission has been granted, take a moment to answer a few key questions:

- Have I got the right permission or do I want to change it?
- Can the project be built (on my budget)?
- Are there any outstanding legal issues to resolve such as ransom strips of land to access the site, that might prevent the project going ahead?

When you're satisfied with the answers, you can move on to the next step.

Pre-start check list

It's advisable to create a list showing what needs addressing before the groundworks commence. Many of the pre-build tasks highlighted here should run in parallel to reduce the amount of time spent on this stage of the process.

Discharging planning conditions

Your full planning permission will invariably come with a list of conditions that need to be discharged before work can start on site. Typically, conditions relate to highways, access, building position, height, external materials to be used and landscaping.

Investigate charges

It's important to now confirm if any planning fees are due, such as planning obligations via Section 106 agreements (self-builders should be exempt). The CIL (Community Infrastructure Levy) is a similar charge – with this one you need to fill out the right forms at the right times to accept your liability and claim an exemption.

Develop the drawings

The design must be developed to meet the Building Regulations to enable construction. Depending on who produced the plans, there may well be significant technical issues to resolve before materials can be supplied to site. You'll need to confirm the build system and agree a full design freeze so manufacturing drawings can be produced. Plan the foundations We recommend using an engineer to prepare the foundation plan. This route is cost effective and reduces risk. Commission a ground investigation to establish soil types, depths, consistency and ultimately load-bearing capacity. This will allow the engineer to produce a suitable foundation design.

Choose your build route

Are you planning to manage the project yourself and sub-contract trades, or opt for using the services of a professional project manager or builder? An increasing number of self-builders use a project manager or contractor to deliver the weathertight shell and then manage the fit out themselves.

Finalise funds

Whatever your budget, prepare it well and stick to it. If you need a mortgage, the lender will probe your cost plan to check it's realistic. You will also need to set some contingency. If you're likely to change your mind as work goes on, costs will rise, so allow for this.

Health & safety

This won't be complicated if you work with responsible trades who know what they require to work safely. You'll need to appoint a principle designer and principle contractor, create a health and safety file, submit a simple notification form to the Health & Safety Executive and maintain a construction phase plan.

NEXT STEP

BOOK ONTO THIS FREE SELF BUILD ACADEMY COURSE

Potton's Self Build Academy course 'Granted Permission – How to get your project moving' explores all of the issues raised in this article and much more. It also provides software tool to help attendees organise their project, budget effectively, build safety and make a success of their build. Courses are held at Potton's Self Build Show Centre in St Neots, Cambridgeshire.

UPCOMING COURSE DATES:

28th June, 31st August, 13th September

Book online or call

WWW.POTTON.CO.UK/COURSES T:01480 403285

BOOK
YOUR FREE
PLACE

Potton Show Centre



Although Jackie and John faced another rocky few months while the finishing touches inside were finalised, they're now very happy to be in the house

daughters – and a shared bathroom. The bedrooms feature built-in wardrobes, done by Hubble who also did the kitchen and the unit in the music room. The same tiling has been used throughout all the bathrooms and in a downstairs WC. The bedrooms on either end of the 'L' have automatic curtains that were custom-made to fit the sloping windows. "It was important we had them because of the overheating," says Jackie.

Automatic lighting placed above the skirting board runs up the stairs and along the corridors. The house is heated throughout by underfloor heating via an oil-fired boiler. The decision to locate it upstairs is an unusual one as people normally opt for radiators due to the cost, but because of the shadow gaps they had concerns

radiators might look odd.

As well as funding the build, the couple had to find money to replace the majority of their furniture. "We couldn't put stuff in that had been in a period property, so all the furniture's new!" The flooring is finished with porcelain tiles downstairs plus Karndean wood-effect both downstairs and upstairs.

The project management was a team effort, with Jackie and John taking on some responsibility along with the site manager from Pilbeam and contract management firm ACP, who also helped with putting the job out to tender and cost control. "We were very glad we had them on board," says Jackie. "They could keep abreast of it all and say 'this is right, this is wrong'."

THE FINAL ASCENT

Having moved into the cottage at the start of the project, the idea was to live in it right up until the new house was ready to move in to, but things didn't quite go to plan. The build had fallen behind schedule, and the discovery of bats in the cottage meant it needed to be demolished sooner than planned (before they started hibernating!). They managed to find a holiday let to move in to which they could stay in until Christmas when it had already been let out.

Their cats couldn't go with them and had to live in the old barn. "We were here at least twice a day, trying to look after them and make them feel loved!" Jackie explains. "And because it was winter and they were short days we couldn't come in the house and look around much."



The house has abundant glazing to maximise light

CONTACTS/ SUPPLIERS

MAIN CONTRACTOR

A & F Pilbeam

www.pilbeamconstruction.co.uk

ARCHITECT

Felce & Guy

www.felceandguy.co.uk

ENGINEER

Stephen Wilson

Partnership

www.swpeast.co.uk

M&E CONSULTANT

PJR

01273 626247

CONTRACT

ADMINISTRATOR/

QUANTITY SURVEYOR

ACP

www.acpuk.co.uk

WARRANTY

BLP

www.blpinsurance.com

BUILDING INSPECTOR

MLM Building Control

www.mlmgroupp.com

CDM

IDP Safety

www.idpsafety.co.uk

BRICKS

Wienerberger

wienerberger.co.uk

ZINC

VMZinc

www.vMZinc.co.uk

Installed by Roles

Broderick

www.rolesbroderick.com

WINDOWS & DOORS

Sapa

www.sapabuildingsystem.com

Installed by Feature

Architectural Fabrications

www.feature-fabrications.co.uk



Surface360.co.uk formerly The Deck Tile co. has 50+ ranges of Levato Mono™ 20mm porcelain paving and now with coordinating internal tiling, offering seamless visual transition between internal and external spaces.



LEVATO MONO™

Porcelain paver system and coordinating internal tiling

Low cost ongoing maintenance/fade and wear resistant • High slip resistance (R11C) & load bearing
Vast choice for any Design scheme • Support system enabling a 'floating' floor installation over delicate waterproofing • Ideal for balconies, roof terraces, garden decks and piazzas

WWW.SURFACE360.CO.UK
0118 391 4120

SURFACE 360



It was also around this time that the site manager suddenly left the company, at what was a "critical stage" explains Jackie. "When someone takes over someone else's project it's not quite the same," she says. "That was when it got very difficult and very tiring. You're trying to lead a normal life as well – we gave up trying!"

Because they only had a two month window in the holiday let, they moved into the house just before Christmas 2018, despite the fact it wasn't quite ready. Although they faced another rocky few months while the finishing touches inside were finalised, they're now very happy to be in the house.

Unsurprisingly, given the less-than-ideal end to the project, they think it's unlikely they'd take on a self-build again. "It's exhausting," Jackie says. "It's not on our agenda – we don't think we'll need to, we're happy with the result." She admits that in hindsight there are a couple of tweaks they'd have made – a bigger airing cupboard and utility room – but overall they love the design. "It's how we imagined it. It's a lovely place to live," Jackie says. "The odd but nice thing about it is having owned the property for 16 years it's all very familiar!" ■



CONTACTS/ SUPPLIERS

POCKET DOORS

Selo
selo-uk.com

FLOOR TILES (GROUND FLOOR)

Flaviker
www.flavikerpisa.it

FLOOR & WALL TILES (WET AREAS)

ABK
www.abk.it/en

FLOOR TILES (STAIRCASE)

Grey Slate & Stone
slateandstone.net

FLOORING (FIRST FLOOR)

Karndean
www.karndean.com/en-gb

SANITARYWARE

C P Hart
www.cphart.co.uk

KITCHEN

Hubble Constantine
hubblekitchens.co.uk

GLASS BALUSTRADES

Q-Railing
www.q-railing.com/en-gb

IRONMONGERY

Karcher Design
www.karcher-design.co.uk

EXTERNAL PAVING

Brett Landscaping
www.brettpaving.co.uk

SEWAGE TREATMENT PLANT

Klargester
www.klargester.co.uk

ECO JOISTS

Pasquill
www.pasquill.co.uk

PLASTERING & DRYLINING

Elphick Bros
www.elphickplastering.co.uk

STEELWORK

Austin Divall
www.austindivallfabrications.co.uk

GROUNDWORKS

Desertpool
01243 869111

HEATING INSTALLATION

Baystar
www.baystar.co.uk

Difference between MCAs and a loan

The money is paid back as a percentage of your business's debit or credit card sales over an open-ended time period.



Merchant cash advances (MCAs) is different to a loan not only the form that it takes, but also what is required to apply for one and the business circumstances to which it is best suited. When considering taking out a loan to assist with a company's cash-flow or to enable it to invest in essential expertise or equipment - what is normally expected? The likelihood is a lump sum, which is then paid back in fixed, regular instalments over a period of months or years. However, a merchant cash advance may entail receiving

a lump sum in much the same way as a loan works, but there is no collateral or personal guarantee required to obtain it. Learn more on **Choice Business Loans** website today.

01494 410 125 www.choicebusinessloans.co.uk

DKG Group achieves Level 4 certificate



The DKG Group, the organisation behind the successful **Keller Kitchens** brand, has obtained a level four certificate on the CSR Performance Ladder; a first for the kitchen industry. With the achievement of level three on the CO₂ Performance Ladder, Keller has demonstrated that the company is actively working on reducing CO₂ emissions within the organisation. This has created a perfect foundation for the company's ambition to achieve an additional level on the CSR Performance Ladder. Toine

van Rooij, COO of DKG Holding and chairman of the CSR working group, concludes: "Our certificate at Level four now confirms that we are taking the right steps forward".

www.kellerkitchens.com

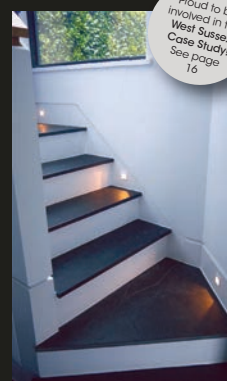


Leading manufacturer of high-quality slate and stone products

We are a family run business in the heart of North Wales, who specialise in the manufacture of high-quality slate and stone architectural products. Building or renovating your home, no problem. Our products are specified by long established Architects, Builders and Designers. It is regarded as the best material choice in the construction industry; adaptable and versatile.

Our highly skilled team are committed to producing the highest-quality products for your project, to help you achieve the best possible finish, that will last a life time. We look forward to working with you!

01766 514 700
sales@slateandstone.net
www.slateandstone.net



Proud to be involved in the West Sussex Case Study! See page 16



Access all areas with an exciting homelift



A Stiltz Homelift is perfect for moving between floors in your home.

This compact, discreet and elegant homelift can be installed in the corner of your living room, hallway or kitchen. It can also fit in a cupboard or within the turn of your stairs*.

Whether you're renovating, extending or embarking on a new build, Stiltz can work with you to find the best location for your homelift.

Why not visit our website customer stories and read how other Stiltz Homelift owners are enjoying a new lease of life.

Call today for a brochure or free home survey.

- Order direct from manufacturer
- Cost-effective
- Installs in a day**
- Fully guaranteed
- Small footprint
- Flexible positioning
- Safety features
- Battery back up
- Contemporary styling
- Fast track delivery

* Depending on space available. ** Based on installing a Trio Homelift (shown) in pre-prepared aperture.

Call us FREE on **0808 231 1136** or visit www.stiltz.co.uk

STRUCTURAL WARRANTY

SITE INSURANCE

SITE SURVEYS



Self-Build Zone provides Site Insurance and liability cover for anyone starting new building works, as well as covering any existing structures on site.

Our Approved Inspectors can facilitate all survey services you may need during the build or for the warranty provision. On completion, Build-Zone can provide you with a 10 Year Structural Warranty.



For more information or to obtain a quotation go online at

WWW.SELFBUILDZONE.COM

or Call the Self-Build Zone Team on

0345 230 9874

Self-build Mortgages

We have funded hundreds of self-build and renovation projects and offer mortgages up to £1,000,000 with no credit scoring.

Find out more by calling 01782 255000 or head to thehanley.co.uk and hear how we can help to build your vision.



YOUR HOME MAY BE REPOSSESSED IF YOU DO NOT KEEP UP REPAYMENTS ON YOUR MORTGAGE

All loans subject to status and valuation. Minimum age 18 years. Calls may be recorded for compliance and training purposes. Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

Value Engineering from JDP

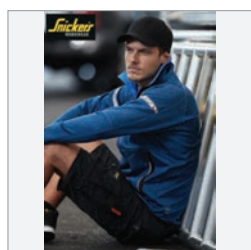


JDP's Technical Support team specify expert drainage scheme for self-build property in Brampton, Cumbria, resulting in significant cost and labour savings. The team were able to offer a value engineered re-design of the drainage system which reduced the number of products used, in turn reducing expenditure and labour time. JDP's RAINBOX 3S® crates were identified as the ideal product to provide the soakaway system servicing this site. The RAINBOX 3S® system offers real benefits for

a project of this size due to the ease of installation and the reduced installation time on site compared to traditional methods. JDP's technical support services are available to JDP account customers, free of charge.

www.jdpipes.co.uk

Stretch Shorts – for cool comfort this summer



While Fabric, Functionality and Fit are hallmarks of **Snickers Workwear**, it's the innovation and fabric technology in the design of the new FlexiWork Stretch Shorts for men and women that really set these new garments apart. These shorts are great for working in the warmer months. Delivering superior flexibility and comfort, these lightweight work shorts come in a hi-tech body-mapping design and are made from a self-ventilating stretch fabric with Cordura reinforcements for all-round

mobility and durability when you need it most. They're packed with comfort and functionality and specially designed for the fast-paced professional who's always on the go and delivering top class work on site.

www.snickersworkwear.co.uk



Celebrating 25 years of excellence in the UK

Simpson Strong-Tie is celebrating 25 years in the UK. Simpson launched its European operations from well-established beginnings in America, where founder Barclay Simpson created his first joist hanger back in 1956. In 1998 a purpose-built manufacturing facility and head office opened in Tamworth, and subsequent acquisitions in the UK, Germany, France and Denmark have established Simpson as a European industry leader. In 2009 Simpson's UKAS accredited European Testing Laboratory opened, which now conducts over 10,000 product tests annually. Managing Director Malcolm Paulson says: "We believe that if we invest in our people our customers will reap the benefits. In my 14 years in role, I've seen the business grow and flourish. Our range has extended to include engineered structural connectors, fasteners and fastening systems, lateral-force resisting systems and bespoke one-off products. The exciting thing is that recent European acquisitions in the concrete repair market can only help us grow even further, bringing the quality and service for which we're known into new markets. In 25 years we've grown to over 600 employees with a presence in most European countries, helping make Simpson Strong-Tie the business it is today."

01827 255 600 www.strongtie.co.uk



**WALK ON GLASS
FLOORS &
ROOFLIGHTS**

**SG
STRUCTURAL
GLASS DESIGN**

**Manufacturers
&
Installers
of Walk on Glass
T: 0333 577 7177**

www.structural-glass.com



Dunsley Heat

**THE SG
MULTIFUEL
STOVE
RANGE**



All Dunsley stoves
are manufactured
in Great Britain

For your nearest stoves stockist
T: 01484 682635
www.dunsleyheat.co.uk

Year Round Healthy Indoor Climate

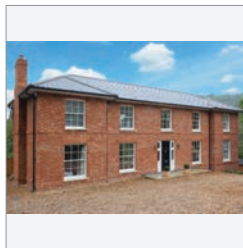


Humidity Solutions introduces the new HomEvap to the UK market, providing safe and precise humidity control and/or low energy cooling for residential, commercial or preservation applications. This innovative humidifier from HomEvap increases comfort in every living and working environment and ensures a healthy indoor climate to alleviate conditions such as eczema or asthma, and help prevent cracking or deterioration of wooden floors, furniture or musical instruments.

With four different models, the system can be applied to a range of buildings or conditions and, whilst ideally included in the initial design of a property, can also be retro-fitted.

01372 571200 www.humiditysolutions.co.uk

Luxury family home uses Imperial Bricks



Jaques Construction has selected **Imperial Bricks** for a new-build executive home in Reigate. With its passion for creating high quality living spaces, Joe and Becky Jaques made the obvious move to choose Jaques Construction – particularly as the founder and CEO David Jaques is Joe's brother. Jaques Construction recommended using Imperial Bricks – the housebuilder had used the company on previous projects and knew it would be possible to select the exact shade and size required to give the new

house an authentic Georgian appearance. David Jaques says: "We chose the 68mm Reclamation Soft Red blend, a handmade brick with a characterful aged finish."

01952 750816 www.imperialbricks.co.uk

Grass Concrete Hits the Roof

Hitting the roof was the obvious next step for **Grass Concrete Ltd**, a company with proven credentials for environmental construction products. The new Grassroof® is an overlay paving system that can be applied to new or existing flat roof structures. Grassroof® can be used as an extensive or simple-intensive paving layer, or as a base layer for intensive roof designs.

Grassroof® units interlock together and can be laid either directly onto the roof membrane or via a foil backed polystyrene underlay. A key element in simplifying the installation is the use with a Regarm moisture retaining blanket. The specification of Regarm will enable the omission of a soil layer reducing the volume of heavy bulk materials during installation.

Grassroof® with a simple "leave and lay" format incorporates sedum turf; no soil is required, and these succulent plants can store moisture. When installed, the lightweight system weighs as little as 4.39kg/m² providing an easy to install and maintain green solution.

For further information, please visit the Grass Concrete website.

01924 379443 www.grasscrete.com



Humidity control & low energy cooling



**Working with your
Heat Recovery System to...**

...create the ideal environment

- Low energy evaporative cooler and/or humidifier
- Reduces irritations such as dry eyes or itchy skin
- Protects artefacts and wooden floors
- Alleviates symptoms of Asthma, eczema and other allergies
- Silent/Discreet – loft or cupboard installation

Mention SBH to receive an exclusive offer

01372 571200

www.humiditysolutions.co.uk/homevap

**HUMIDITY
SOLUTIONS**
Independently better

Home heating run on fresh air

Our gas-fired heat pumps use renewable aerothermal energy – fresh air – to provide heating and hot water up to 70°C

- Runs on natural gas or LPG
- Provides 40% renewable energy
- Uses less power
- Reduces energy bills
- Air conditioning option on some models
- More efficient than condensing boilers and electric heat pumps



ROBUR
caring for the environment

www.roburheatpumps.co.uk | 020 8641 2346
Exclusively supplied in the UK by Environmental Site Supplies Ltd.,
53-57 Stonecot Hill, Sutton, Surrey, SM3 9HJ

Matching system gives new build contemporary finish

Honeybourne Homes is a building contractor who specialises in creating new bespoke homes in both contemporary and traditional styles. Many of their homes are built and/or refurbished to a very high standard. The architect specified that aluminium should be used for the rainwater and roofline system and **ARP** provided samples of products and colour swatches for the architect to inspect and approve. By choosing aluminium over plastic it gave the specifier access to a massive range of polyester powder coating colours which helped to emphasise the architectural elements of the building. The basalt grey colour used in this property contrasted with the pearly white render perfectly and gave a finished contemporary look that is in keeping with the rest of the property. The products specified for the rainwater system were Sentinel half round gutter and Colonnade circular downpipes. For the roofline, ARP's Trueline bespoke fascia and soffit were specified, made to measure to the exact dimensions of the building and polyester powder coated within our in-house PPC facility to the basalt grey RAL 7012 as specified by the architect. Aluminium is an ideal material for adding architectural finishes to buildings, as it is strong, can be easily formed into a variety of profiles and helps to extend a buildings serviceable life. Aluminium is a low maintenance, non-corrosive, non-combustible, fully recyclable, and expected to last in excess of 60 years.

0116 473 5624 www.arp-ltd.com



Super fuel cell heat and power boiler is launched

Viessmann has announced the launch of its new Vitocalor PT2 fuel cell micro combined heat and power (mCHP) boiler. Over 2,000 Vitocalor units were installed in Europe last year, allowing households to generate their own electricity without needing solar panels. Vitocalor can generate enough electricity to cover the basic demands of an average household, save up to 40 per cent of household energy consumption and reduce CO₂ emissions by up to 30 per cent compared to separate heat and power generation. It has a footprint of just 0.72m² and the previous model has been comfortably installed in utility rooms, porches and roof spaces. The latest design includes a 220-litre integrated stainless steel hot water cylinder meaning many properties can free up airing cupboard space. Under new, stricter EU energy labelling, which comes into force in October 2019, Vitocalor PT2 will have the highest possible Energy-related Product (ErP) rating of A+++ . This corresponds to an annual seasonal efficiency of up to 192 per cent, making it a serious alternative to heat pump systems. Not only is the Vitocalor easier than a heat pump to add to an existing heating system, it has a 40,000 kWh heat load demand, double that of an air source heat pump, and generates electricity as well as heat. The Vitocalor PT2 is also equipped with Viessmann's brand new E3 control platform, which provides faster and more reliable communications.

info-uk@viessmann.com



OPUS SCANDFIRE



www.Firepower.co.uk
0844 332 0155



The Opus Scandfire is an all-in-one stove, chimney breast and chimney for a fast, safe and straightforward installation - perfect for airtight, low-energy builds.

Combining a cleanburning, efficient and low emissions stove with a zero distance to combustibles pumice chimney, the Scandfire improves the building's SAP rating, provides a cosy secondary heating and all without compromising the integrity of the build.

all you need
is the air that you breathe...



SELF BUILD EDUCATION HOUSE OFFICIAL PARTNER

- REDEFINING LEVELS OF COMFORT
- PRECISE HEATING WITH UNPARALLELED RESPONSIVENESS
- COOLING, HOT WATER & HEAT RECOVERY VENTILATION
- ALL IN ONE, HIGHLY ENERGY EFFICIENT SYSTEM



heat pump ventilation



0345 260 0123

totalhome.co.uk



exhibiting
at Bicester
Stand C30
& The Naked House



**NATIONAL
VENTILATION**

Manufacturers & suppliers
of **monsoon** products

Free Ventilation System Design Service

For all your domestic,
commercial &
industrial ventilation
requirements

**Get the service
you deserve!**



Call now on 01823 690290

www.nationalventilation.co.uk

A healthy home is a sustainable home

Heat recovery ventilation can make homes dramatically healthier, and going a step further with heat pump ventilation can also offer energy efficient heating and cooling, says Clarissa Youden of Total Home Environment

With self-builders becoming more aware that they need to insulate and seal-up their homes to save energy, the environment and pocket, the air in their home can become more polluted than the air near a busy road. Several items inside your home emit a cocktail of chemicals called VOCs (Volatile Organic Compounds) which leach out of soft furnishings, chipboard, laminates, paint, plastics and room sprays.

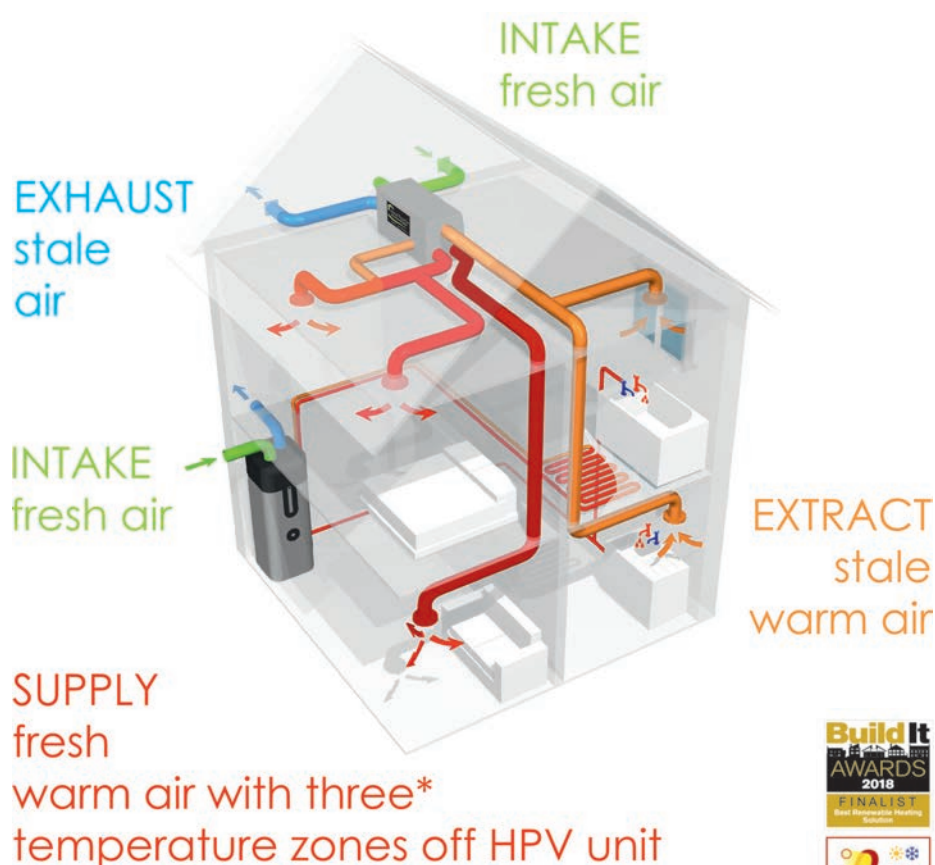
If you're renovating a home but not digging up the floors, radon gas is also a danger. Colourless and odourless, it is the second biggest cause of lung cancer in the UK, seeping out of the soil and getting caught inside homes.

To live in comfortable conditions, an



adult needs approximately 30 m³ of fresh air per hour, meaning that two adults sleeping in a bedroom have less than an hour before CO₂ and water vapour will build up with condensation and mould spores forming – worrying for Asthma sufferers. Plus, despite having eight hours sleep, you can wake up tired and your cognitive ability can be reduced significantly because you haven't had clean air to breathe. You spend 70 per cent of your time at home and you breathe over 10,000 litres of air a day – don't you want the cleanest, healthiest air in your home for you and your family?

Ventilating the home by poking holes through the skin with archaic technology – unfiltered trickle-vents in window frames (that people then shut because they're



(*additional heating zones can be added through optional HPV PTC ceiling terminals)



To live in comfortable conditions, an adult needs approximately 30 m³ of fresh air per hour

too draughty) and noisy extractor fans in kitchens and bathrooms (which are never cleaned, so block-up) is not adequate. Opening windows also isn't viable – to meet the 0.44 air changes per hour currently set by Building Regulations in England, you'd need to open all the

windows for 10 minutes, every couple of hours – not particularly convenient and if you're in a town do you want the noise and pollution inside? Plus, in all instances you're throwing away vital heat.

This ventilation method contributes between 50-60 per cent of the typical



If you build a well-insulated and airtight home you could use HPV to provide a low energy heating system



heat-loss of a home, meaning half your heating bill goes to mitigating the effects of ventilation. So how do you guarantee good indoor air quality without losing heat? What types of ventilation are suitable?

Passive stack ventilation relies on natural air movement and a temperature difference inside and outside the home, so if it's gusty there's a risk of getting cold from over-ventilation and in the summer being stuffy, as temperatures are too similar in and outside for much air movement. Positive input ventilation relies on the house being leaky, so is not much good on the sustainability front. Mechanical extract ventilation relies on trickle vents, so you're not only losing heat but it's questionable whether you can guarantee that CO₂ levels will be kept under the recommended 1,000 ppm level.

This is where heat recovery ventilation (HRV) comes into play. A low energy fan unit continuously extracts stale air out of wet rooms while drawing in fresh filtered air from outside. The two airflows pass each other in a heat exchanger (not mixing) and up to 95 per cent of the heat from the stale air is transferred to the fresh air being put into the habitable rooms of the home via ductwork and ceiling terminals. Good HRV systems will be Passivhaus certified, have an automatic summer bypass (no heat recovery in hot months), trap pollen and

allergens down to 0.01 microns, and save about a third on heating bills. They should also have a controller ensuring the system is perfectly set up for your house and lifestyle with a 24/7 timer, temperature monitors, a boost function, memory cards, and cold weather, reduced supply-rate function.

However, even with the best HRV systems, there is still heat available to recycle. Heat pump ventilation (HPV) integrates a micro heat pump within the HRV unit to harness far more energy from the outgoing air. If you build a well-insulated and airtight home, you could take advantage of HPV and use it to provide a low energy heating system as well as ventilation.

They can recover 100 per cent of indoor heat and, for example, the HPV Series system enables users to obtain between 3.5 and 12 kW of heat energy, from only 1kW of power. This option also has three different supply temperature zones, as you may want different temperatures in your bedroom and living room, for instance. Another useful option is a heated ceiling terminal supplying quick-reacting top-up heating to a particularly cold room. The added bonus of HPV is that it can also provide cooling – useful on sticky summer nights.

That just leaves you to find a low energy domestic hot water source – the HPV Series includes a micro heat pump integral to a 300 litre water tank, so you

get heat recovery ventilation, very energy efficient heating, cooling and hot water all in one system. This type of system will be seen in practice when the Build It Education House at Graven Hill in Bicester is finished. For more 'petite' homes, compact service units provide HPV with a smaller water tank integral to the unit.

It is important to ensure that the 'veins' of the system are correct – the ducting to each room. Rigid metal safe-seal ducting of 100-125 mm is best for airflows and hygiene (plastic isn't naturally antibacterial) and is very robust on site. It also needs to be insulated correctly otherwise heat will be lost.

The principle behind heat pump ventilation and heat recovery ventilation is firmly grounded in the drive for more healthy, sustainable and convenient living. Perhaps all you need is the air that you breathe, to provide low energy heating, cooling, ventilation and hot water.

Clarissa Youden is associate director at Total Home Environment

Net-Zero Homes Ltd.



Quality ICF built shells using the Quad-lock ICF panel system, Net-Zero Homes can assist with the design, planning, building regulation submission and the construction of the shell, providing the self-builder with a fast, warranted building, ready for the follow-on trades.

Take the stress out of building your dream home or extension.



Call Stephen Campbell at Net-Zero Homes Ltd. on 07771 311311 or email netzerohomeltd@gmail.com

mvhr

heat recovery ventilation



Our specification..

- ✓ 7-Year warranty
- ✓ Silent operation
- ✓ Smartphone controlled
- ✓ Traffic pollution & pollen filtering
- ✓ Optional warming & cooling
- ✓ Over 90% heat recovery
- ✓ Passive House certified
- ✓ SAP appendix Q listed
- ✓ Approved design & install



For a 5-star service call..

01625 423020

Send plans to sales@solarcrest.co.uk



AIRFLOW
PREFERRED PARTNER

Craftsmanship is Timeless



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

www.rainguard.co.uk

Traditional gutters, pipes and hoppers come in a comprehensive range of aesthetic styles and colours to suit all buildings and budgets.



Available in Aluminium, Cast Iron, GRP, Copper, Zinc and Stainless Steel.



YEOMAN
RAINGUARD
RAINWATER SYSTEMS

making business a pleasure *for over 50 years*

Estate constructed with Kingspan TEK

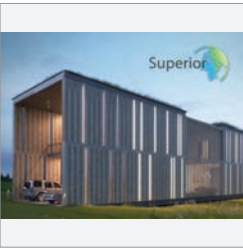


The **Kingspan TEK** Building System is providing a precise offsite building solution for one of the country's largest Passivhaus developments in Bowthorpe, Norwich. After reviewing the market offering to achieve the demanding fabric requirements of the Passivhaus Standard, it was concluded that the Kingspan TEK Building System was the best solution for the project on the basis of technical specification and value offered. Kingspan TEK structural insulated panels (SIPs) feature a high-performance insulation

core sandwiched between two layers of OSB/3. Kingspan TEK Building System panels can achieve U-values of 0.20 – 0.17 W/m².K, or better 'out of the box'.

01544 387 384 www.kingspantek.co.uk

A quick, affordable solution



Superior SIP supply a versatile SIP build system which allows a quick and affordable solution for all your building requirements.

The SIP build system is suitable for new builds, extensions, garden rooms, flats, attic conversions, garages and even commercial builds.

Please contact Superior SIP or visit the company's website to explore the full range of benefits and find out how the company can assist you with your build or with your SIP purchase.

0845 645 789 www.superiorsippanels.co.uk

New design for Sentinel range helps improve lead times

ARP, a market leader in the supply of aluminium rainwater and roofline products is proud to continue on its pathway of bringing innovative design to the market, with the improvement of its Sentinel range of guttering to include a new jointing system for its Sentinel half-round snap-fit guttering and an upgrading of all associated components. ARP has seen a sharp increase in demand for its contemporary Sentinel range, as specifiers and end users alike recognise the benefits of longevity, width of colour options and cost effectiveness over upvc systems, so the delivering of a simple no-mess jointing system is very timely. 18 months in the planning, the new jointing system works through a simple process of injecting silicone into a specially designed port in a joint (or stop end) and then letting it cure, leaving no silicone residue. In addition to this, all of the components within the Sentinel Beaded Half Round range and the Vintage Ogee range have been completely redesigned and feature very defined lines and a superior surface finish, which makes these systems some of the most striking within the aluminium rainwater sector. ARP believes in the importance of continued advances within its supply process, so significant investment has been made in building stocks of all the new components ensuring that they can be classified as "off-the-shelf" and satisfy the demand for short lead times.

0116 289 4400 www.arp-ltd.com/new-design-sentinel-range-helps-improve-lead-times



Superior SIP offer an alternative versatile SIP build system which allows a quick and affordable solution for all your building requirements.

Suitable for new builds, extensions, garden rooms, flats, attic conversions, garages and even commercial builds.

Visit www.superiorsippanels.co.uk to explore the full range of benefits and find out how we can assist you with your build.

Call Today **0845 645 789** or Email info@superiorsippanels.co.uk to discuss your next SIP home



Choosing the right rainwater system

Yeoman Rainguard's Sally Moores discusses the variety of options available when it comes to rainwater systems, and how to choose the right one for your project

With an abundant choice of rainwater systems on the market, there is certainly no problem in finding the right, aesthetically pleasing products for your self-build project. With an array of materials, profiles, sizes and colours, there will certainly be a style to match the design of your property.

TICK ALL THE BOXES

Aesthetics, though important, should not be the only thing considered when selecting gutters and downpipes however. The environment the system is going to be fitted in (e.g. conservation or heritage area), water flow from the roof, rainwater harvesting, snow load and lifecycles are just some of the considerations which should be taken seriously to ensure you have a rainwater system which will work efficiently, and last for many years.

GUARDING AGAINST THE ELEMENTS

After all the hard work, decision making and expense that will go into a self-build project, it would be wrong to cut corners when it comes to installing a rainwater system. This important kit will protect your property from the ingress of water, guarding the structure against damp and water damage.

Procuring a durable rainwater system that will withstand the great fluctuations of weather that come with living on the British Isles, yet which adds to the design of the exterior of the premises, is paramount.

It's also an important to find a system that will not crack or discolour when the temperature rises, one that can withstand a heavy snow load if required without becoming misshapen, and one which is also the right size to take the water flow from your roof.

SYSTEMS CHOICES

One extremely durable option is a metal rainwater system, which can easily



overcome the issues mentioned above. With an assortment of materials to pick from, metal gutters and downpipes allow style and function to collaborate nicely.

ALUMINIUM

Available in an attractive paint or mill (raw) finish, aluminium rainwater systems complement both the traditional or modern house. The range of gutter profiles, pipe shapes and sizes, along with a choice of colours and ornate accessories such as ear bands, will help to tailor this product to the character of your dwelling.

A deep flow gutter is able to cope with high volumes of water flow from the roof, avoiding overflow and splashing. Online guides are available to calculate flow rates from roofs, or a reputable supplier will be able to advise you.

The gutters will also be strong enough to accommodate heavy snow loads – though the addition of extra fixing brackets in areas of concern is recommended.

Look for an aluminium product which offers a joint clip fixing method on the gutters. Meaning it does not require mechanical fixings or welding joints, this will make it both quicker and easier to

Aesthetics, though important, should not be the only thing considered when selecting gutters and downpipes

install. Credentials such as 30 years maintenance free service can be combined with UV stability and 100 per cent recyclability.

CAST IRON

This classical rainwater system type has been popular since the 1700s, and is perfect for use on listed and heritage buildings. A heavier material than aluminium, cast iron offers the same durable properties with a 40 year (or more) life expectancy, however a small amount of maintenance such as



repainting can further extend this.

A range of traditional gutter profiles, decorative ear bands and stylish rainwater hoppers can ensure that the feel of old and historical buildings are reflected, using a cast iron rainwater system.

Oxidising cast iron is completely recyclable, producing iron ashes which, being carbon based, aid the growth of green and planktonic life, helping to counteract the effects of global warming.

COPPER, ZINC & STAINLESS STEEL

These materials are chameleon-like, changing patina over time and adding depth and colour to the rainwater system. They're a great choice for structures that are timber clad, oak framed, or indeed

garden houses whose exteriors also change colour as the wood ages, adding to their beauty.

The attractive patina caused by oxidation also functions as an exceptional natural defence against the elements, making them a good choice of material to be used on coastal properties where erosion by the salt in the local atmosphere can be a concern.

Copper gutters and downpipes have proven durability, having been used successfully for many generations, offering an almost unlimited life. A natural, truly sustainable and 100 per cent recyclable material, copper also acts as an algicide and fungicide helping to keep moss and lichen growth to a minimum, proving to be a maintenance free system. It's also a great choice for harvesting rainwater.

A zinc or stainless steel rainwater system will bring a contemporary feel to self-build projects, again having outstanding durability and requiring minimal maintenance. These rainwater systems are made from lightweight materials and do require a little more care to be taken when delivering and installing, with the use of gloves a necessity at all stages.

SEEK ADVICE

Sometimes there is more to selecting a rainwater system than meets the eye,

and, to ensure your gutters and downpipes don't let you down, take time to do a bit of investigation into what's available.

There are plenty of shows and exhibitions specifically for the self-build and renovation market around the country throughout the year, which showcase the latest in building materials. Experts will also be on hand at these events to offer advice. Blogs and websites can be a great tool as people share successes and pitfalls, and the rights and wrongs of their own projects.

However, for 'foolproof' advice and information on the right rainwater system for your particular project, seek out a reputable manufacturer and supplier. They will have an experienced team on hand who will be able to discuss options with you and let you have samples of products, materials and colours.

Some of these companies offer free site surveys or take offs from architect drawings that they can then turn into an itemised, easy to understand quotation. Take advantage as these helpful services will help to ensure that you get the rainwater system that is befitting of your prized home.

Sally Moores is marketing manager at Yeoman Rainguard

Sustainable House benefits from Copper Rainwater System

If you are wanting a natural looking and eco-friendly rainwater system then Copper gutters and down pipes from the Yeoman Rainguard range, as chosen by the owners of a charming detached residence in North Yorkshire, are the solution.

With solar panels already in place the proprietors were keen to extend their sustainable ideas to a new rainwater system choosing a copper product for its natural attributes.

Yeoman Rainguard 125 x 70mm copper half round gutters along with



80mm dia. downpipes were expertly fitted to the property by local contractor Robertson Building & Roofing Ltd of York.

Over time the bright finish will darken through natural oxidation to, eventually, a beautiful green patina. This attractive finish looks perfect against natural stone, timber and red brick facades.

The finish is not only pleasing to the eye but gives copper gutters and downpipes their own self-manufactured defence to corrosion, meaning a low maintenance lifecycle of over 50 years.

A copper rainwater system is also a perfect choice for those, as in this case, wanting to harvest rainwater because it is a natural biocide which prevents the build-up of algae.

"We are very happy with what Yeoman Rainguard have supplied us and look forward to the system giving



us many years of maintenance free service." commented the house owner.

0113 279 5854
www.rainguard.co.uk

MAY/JUNE 2019

DOORS & WINDOWS SUPPLEMENT

urban | front®

#doorcouture

steel reinforced natural
hardwood doors

entrance doors

internal feature doors

garage doors

oversized doors

passive house

certified doors

made and designed in UK

+44 (0)1494 778787

info@urbanfront.co.uk

www.urbanfront.com

Secured by Design



Official Police Security Initiative

PULL
PUSH

For beautifully handcrafted
contemporary handles visit
pushpull.co.uk



Evolution design and manufacture award-winning bespoke windows and doors. Each and every product is hand-crafted in their Biggleswade factory by the finest craftsmen who combine a passion for their craft with expert technical knowledge. As true industry pioneers, they are renowned for constantly innovating to push the limits of quality and design.

Whilst innovation is at the heart of Evolution, the soul of the company is the merging of traditional handcrafted values with the very latest technological enhancements.

Taking the best from the past and creating the most advanced products that help enhance and protect your home now, and for years to come.



Royale Steel Replacement Windows have been specifically designed as a slim-line, secure and thermally efficient replacement for original steel windows. They replicate the traditional styling, slimness and features of traditional steel windows at a fraction of the cost. The outerframe is just 33mm deep, making installation far quicker and simpler when compared to other aluminium look-a-like windows. During installation you will not have to cut back plaster, brick work or existing wooden subframes.

Royale Windows use the latest inline polyamide thermal break and krypton gas filled sealed units in order to maximise thermal performance. Contact **Duration Windows** for more information today.



Centor's award-winning, luxury doors, windows and screening systems allow homeowners to connect beautifully to their world outside – without compromise.

New for 2019, the S4 Insect Screen and Shade System has already received a 'Red Dot: Best of the Best' award in the prestigious German design competition.

The S4 can be paired with any new or existing doors or windows to unobtrusively keep insects out or provide sun protection and privacy.

Screens and shades glide smoothly, with the lightest touch and retract discreetly into their frame when not in use.



vistaline, **IDSsystems** exclusive slide & turn doors, is the latest trend in glazing for extensions, renovations and self-builds.

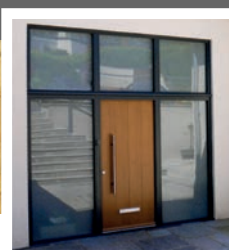
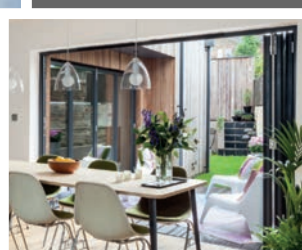
With narrow sightlines like sliding doors but with the ability to stack to one end and create complete openings like bifolds, the truly unique vistaline system consists of non-connected panels that slide independently.

The ability to open the doors completely is perfect for breaking down the boundaries between inside and out, whilst the incredibly slim sightlines allow for bigger panes for glass, maximising both your view out over your garden and the amount of light you let into your home.

klöeber®

bespoke doors & windows in timber, aluminium & alu-clad

Visit
one of our
nationwide
showrooms



We manufacture, supply and install:

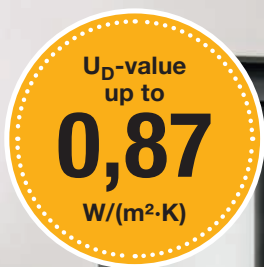
- folding sliding doors
- sliding doors
- french doors
- single doors
- windows
- shaped glazed screens
- entrance doors
- rooflights

telephone

01487 740044

info@kloeber.co.uk www.kloeber.co.uk

Visit our showrooms in London, Cambridgeshire, Buckinghamshire and West Sussex. See website for directions.



Entrance door Thermo65 style 015 in CH 703 Anthracite metallic with embellishments in stainless steel look

More Entrance Door for Your Money: Entrance Door Thermo65

- Eye-catching attractive door appearance due to a 65 mm door leaf without visible leaf profile
- Particularly secure thanks to standard 5-point security lock
- Especially high thermal insulation with U_D -value of up to $0.87 \text{ W}/(\text{m}^2 \cdot \text{K})$



HÖRMANN
Doors for Home and Industry



For over a decade, **Kloeber** has offered homeowners and self-builders a range of bespoke glazing solutions, helping clients select the perfect doors and windows for their unique projects. Their range includes bifold, sliding and French doors, the award winning FunkyFront door, windows, rooflights and fixed glazing elements. Kloeber specialises in providing its clients with the full package, from the initial meeting and showroom visit to liaising with their architects and builders. They also offer a detailed site survey to guarantee the perfect installation service, carried out by their own in-house fitting teams. A visit to one of Kloeber's showrooms in Cambridgeshire, West London, Buckinghamshire and West Sussex, is highly recommended.



Flush hinged door systems by **Rocket Door Frames** gives you a chance to keep on trend with your interior style without the interruption of a door.

There is literally nothing to see except clean contemporary lines with plastering right up to the edge which, when combined with hidden hinges, completes the look of invisibility.

For ease of installation each unit is supplied with its own jig for routing the door.

FD30 approved also available. Looking for simple, modern style that you can continue through your whole interior design interior, the flush hinged door system is the perfect answer.



Schueco's panoramic sliding door offers slim sightlines and maximum transparency.

The Schueco ASE 67 PD has a very slim central mullion width of 31mm with an outer frame that is concealed in the building structure.

The result is a huge area of glass. Designed for large openings, it can be configured in a variety of combinations combining two, three or four leaves each up to 3.2m wide and 3.5m high.

For further information on the panoramic sliding door, please contact Schueco or visit the company's website.



Urban Front are very excited to announce that all of their e80 hinged standard doorsets will now be made to meet Part Q building regulations.

All doors up to 1200 x 2400mm with or without glass vision panels with a standard hinge and multipoint locking are offered with full LPS1175 Grade 2 security testing and Secure by Design which meets Part Q.

This is now as standard at no extra cost to clients. Doors with bespoke detail, pivot hinges or oversized should fall under Appendix B of Part Q.

For further information please contact Urban Front or visit the company's website.

Genesis Collection

GENESIS COLLECTION METICULOUSLY CRAFTED BY BISON

BEAUTIFUL WINDOWS AND DOORS TO COMPLETE YOUR DREAM HOME

The Genesis Collection is a UK manufactured suite of premium windows and doors which includes sash windows, traditional flush sash casement windows, sliding doors and aluminium windows and bi-folding doors.

Stunning products with style and substance available in a choice of colours, finishes and joint options to help turn your dream home into a reality.

Our collection is crafted with innovation and an attention to detail for better & more beautiful products.

Genesis Installer Network is now LIVE! – simply enter your postcode on our website to find your nearest installer.

WWW.GENESISCOLLECTION.CO.UK 0800 138 3838



See theEDGE2.0 at

- ▶ The Building Centre in Central London
- ▶ Our Comprehensive Showroom in Norwich
- ▶ Exhibitions across the country



If you want large panes of glass with minimal frames then look no further. The advanced technology of theEDGE2.0 has enabled us to create incredibly slim sightlines of just 20mm, whilst at the same time maintaining the advanced security, severe weather rating, smooth operation and manufacturing quality that our products are renowned for.

find out more at

idsystems.co.uk/theedge20

t 01603 408804 e info@idsystems.co.uk

IDSystems
GLASS INNOVATIONS
• Established 2000 •

sliding doors • bifold doors • slide & turn doors • windows • glass roofs • front doors • balustrades



XL Joinery, a market-leading supplier of doors and associated products, has launched a brand new range of its best-selling Suffolk doors. Boasting three new versions, each one varying in style and features, the range includes the Essential, Original and Statement. XL Joinery's new Suffolk doors offer a multitude of qualities and design features, ensuring that there is an option for every budget and preference. With each door featuring the highest quality of A-Grade oak, as well as exceptional sound retention and heat retention, there's no need to compromise with substandard hollow core imitations. Offering a flawless finish and up to a 30 year guarantee, if you choose a Suffolk, opt for an XL Joinery Suffolk.



From the Ivy League university campuses of America to warehouse properties flanking many of our inland waterways, along with the internationally-recognised minimalist homes created by architects like Frank Lloyd Wright, steel windows have made a mark on our built environment. The **Steel Window Association's** members are able to offer a full selection of options for new build and replica refurbishment, as well as historic projects; including W20, W30, W40 and W50 frames able to comply with the requirements of Part L to the Building Regulations. Choosing SWA to manufacture and install your steel windows and doors ensures that you are receiving the highest standard of fabrication, installation and service.



Installing a pocket sliding door can seem like a daunting prospect. The reality is it is a lot less complex than you'd think. **Scrigno** has produced a pocket door kit that's intuitive and easy-to-assemble while being great value for money. A stand-out feature of the kit is that a single unit can be adjusted to fit a variety of standard UK door widths. Installation is simple and accurate thanks to the 'snap-together' positioning system and pre-marked size guides. All the necessary accessories are included in each kit. The kits are designed for wooden doors that are 35-44 mm thick and up to 100 kg in weight. The kits aren't limited to just wooden doors, a glass conversion kit is available that allows you to fit a stylish glass door that's between 8-10 mm thick.



Finepoint is an experienced glass manufacturer and aluminium fabricator. The company specialises in bespoke-designed architectural glass systems, which are used to build our stunning range of doors, windows, wine cellars for residential and commercial customers throughout London and the UK. If you've been looking for high-specification architectural glass systems, you'll want to explore our stunning product portfolio in more detail. The aesthetic and practical application of our architectural glass systems become clearer when you look at our slim frame and minimal frame sliding doors. The extensive glazed areas in each design maximise light penetration and create fluid threshold access.

LIBERATE LOST SPACE...USE A POCKET DOOR

TIMBER

GLASS

ROCKET DOOR FRAMES
Tel: 0330 9980617


info@rocketdoorframes.co.uk
www.rocketdoorframes.co.uk



Change the way you think with timber alternative windows and doors


Inspired by the natural beauty of real wood, without the drawbacks. No expensive maintenance, no laborious sanding and painting, just beautiful, traditional windows and doors for years to come.

Our award winning, ground breaking design fuses exquisite traditional timber aesthetics with modern technology to produce truly sensational windows and doors that provide security, energy efficiency, style and performance.


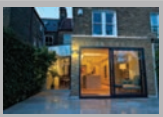



WINDOWS
& DOORS
REDEFINED

1ST FOLDING SLIDING DOORS










Whether your project is big or small, we can help you achieve your glazing vision; you dream it, we'll deliver it! Call us on 0208 997 2448, or email Marcus@1stfoldinslidingdoors.co.uk quoting the reference: 'SURBITON'



LONDON SHOWROOMS

• 26 Wadsworth Road, Perivale, UB6 7JZ | 141 Hook Road, KT6 5AR •

FENSA







REHAU used for houseboat installation

REHAU windows and doors have been installed in a luxury houseboat in Belfast, providing a clean and bright finish to the Scandinavian inspired boat, while keeping it cosy and warm inside. Now listed on Air B&B as one of the top featured properties in Northern Ireland, the boat – affectionately known as Nolly – was once destined for the scrapyard. She was rescued by newly retired couple Gillian and David Campbell, who bought the barge as a renovation project with the intention of transforming her into a houseboat. While some of the boat’s original portholes could be salvaged for reuse on internal doors and walls, the exterior windows all needed replacing with new ones. Gillian was very particular about the aesthetics of the new windows and also their ability to retain heat and reduce condensation. Gillian was advised on the window and door specification by REHAU’s trade counter partner in Belfast, Windowmate. Thomas McAllister, Sales Manager for Windowmate in Northern Ireland explored a number of options and ultimately recommended the REHAU TOTAL70 range. The casement and fixed windows could be easily installed in the steel frame of the boat and offered a high U-value for excellent thermal efficiency.


www.rehau.uk



reddot design award
best of the best 2019



GERMAN
DESIGN
AWARD
GOLD
2019



centor®

Connect beautifully
to your world outside.

Centor’s luxury doors, windows and screening systems allow you to control insects, sunlight and privacy - so you can enjoy inside-outside living without compromise.

For more information, visit centor.com/uk/selfbuilder



A perfect union of form and function

Fully open a Schueco bi-folding door and you'll reveal a 95% clear space that effectively eliminates the boundary between your home and your garden. A 90° open corner option and a no-trip, level threshold reinforce this feeling of openness. Add in a smooth gliding action, exceptional insulation and weathertight gaskets that eliminate winter draughts, and you've got a perfect door for all seasons.

For German engineering made in Britain, there's only one name.

**For more information and your nearest Schueco Partner installers visit
www.schueco.co.uk/bi-foldingdoors**

SCHÜCO



Patios

Max Glass Area ✓
Slimline Aluminium ✓



Bifolds

Full Opening ✓
Slim, Strong & Secure ✓

More info and pricing
www.duration.co.uk



DURATION
WINDOWS

Glass Walls from Express Bi-folding Doors



Ulla Green is a former RAF officers' residence, transformed using bespoke glazing solutions from **Express Bi-folding Doors**.

The rear elevation boasts a run of glazing of more than nine metres – a huge triple track sliding door, plus a large picture window.

The master bedroom's glass-to-glass corner is a stunning architectural feature too.

Express create glazing solutions to suit your requirements, so achieving the house of your dreams is easy. Get in touch today.

0800 121 4809 www.expressbifolds.co.uk

Privacy, Solar and Insect Screening



State-of-the-art Power Screens from **Phantom Screens** are fully automated retractable systems, capable of screening the largest openings. These remote-controlled screens can be recessed to disappear when retracted. A comprehensive range of technical fabrics is available including insect meshes, solar shading and privacy screens blocking up to 90 per cent UV rays. As the sole UK distributor for the world-leading Phantom brand, the company manufacture to the highest quality

standards with the same level of attention and consideration that US customers have come to expect. Contact Phantom Screens or visit the company's website for more information.

www.phantom-screens.co.uk



Bringing the outside in

Bring the outside inside with our luxury slimline Aluminium and Hardwood Doors. Specialists in Bifold Doors and Sliding Patio Doors, in a full range of RAL and Farrow and Ball colours.

Solar control glass is included as standard, with the option to include integral blinds in the glass. We also supply Roof Lanterns, Roof Lights, Composite Doors, Windows and Frameless Glass Balustrades.

Delivery is complimentary to mainland UK, contact us for all your glazing requirements for your project and receive a no obligation quotation. Instant online quotations available using our Bifold Builder, with the option to add your quotations to the basket and purchase online. Alternatively contact our friendly Sales team for help and advice with your project. All products manufactured in the UK, complete with a 10 year guarantee.

For more information, please visit the **Folding Doors 2 U** website.

01621 834123 www.foldingdoors2u.co.uk

The Suffolk Range

Much Imitated. Never Bettered.

An XL Joinery original means superior heat retention, sound insulation and a solid core with A Grade oak in all the right places.



The Suffolk Original

Choose true quality with a solid core XL Joinery Original, featuring 20mm real oak lippings and deep inserts. Available with Colours by XL.

25 YEAR GUARANTEE



The Suffolk Essential

An unfinished version featuring a solid core, designed with economy and scale in mind.

10 YEAR GUARANTEE

The Suffolk Statement

A solid oak celebration of craft, heritage and luxury.

30 YEAR GUARANTEE



Find Your Local Stockist
XLJoinery.co.uk/Suffolk

Featured: Suffolk Original Pre-Finished Oak
Available in five stains: Blanco, Crema, Latte, Cappuccino, Americano
25p from the sale of every Suffolk Essential goes to the Lighthouse Club

selfbuilder +homemaker

SUBSCRIBE TO THE FREE DIGITAL ISSUE

Featuring...

- Case Studies
- Ask The Expert
- Home Styling
- Secrets of Success
- Interior Inspiration
- Product Features

And more!

subscribepage.com/sbh



BE WISE
WHEN YOU ADVERTISE



Selfbuilder & Homemaker is independently verified by ABC.

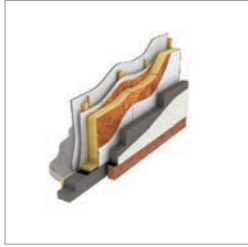
So our advertisers know they are getting what they paid for.

ABC. See it. Believe it. Trust it

selfbuilder
+homemaker



Scotframe - Think Fabric First



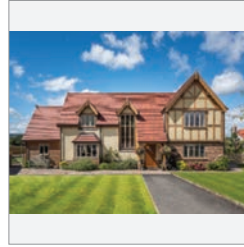
Scotframe manufacture an innovative and unique injected PU closed panel timber frame system called Val-U-ThermPLUS® a range of advanced, closed panel, factory insulated, high thermal performance wall, roof and floor systems, which provide a winning solution.

Val-U-ThermPLUS® ensures space heating energy costs can be dramatically reduced whilst giving class leading speed of construction, extremely low U values and

exceptional air tightness making it ideally suited to all forms of building projects.

01467 624 440 www.scotframe.co.uk

Bespoke oak frame homes



Welsh Oak Frame is among the UK's leading bespoke oak frame home designers and builders, with more than 20 years' experience.

Operating nationwide, the company offers a full architectural design and planning application service, taking the strain of the planning process away from you. The Welsh Oak Frame designers will work with you to refine every last detail of your dream home until it delivers exactly what you want in

terms of aesthetics, size, functionality and within your budget.

For more information, please visit the Welsh Oak Frame website.

01686 688 000 www.welshoakframe.com

MQ33 stove from Eurostove can be enjoyed from any angle

There's nothing quite like the warm glow of a wood burning stove to give a cosy living room or an open-plan space a practical focal point with instant impact. Combining modern design with a range of innovative features and a traditional cast iron finish, the MQ33 model from Nestor Martin has everything you could want and more. Available in two versions – with a log storage stand or with a bench stand – there's something to suit every interior. The MQ33 is the perfect blend of timeless style with modern technology. Along with patented Woodbox® combustion technology, it can also be rotated through 360 degrees, making it possible to view and enjoy the warmth of its superior flames from any angle. Ideal for spacious open-plan living, the stove is A rated for energy and has a powerful 8kW heat output with high efficiency and reduced carbon dioxide emissions, making it eco-friendly too. The MQ33 is a flexible option with top or rear flue connection and is outside air ready. The heat-reflective white cast iron interior keeps the heat at perfect temperature while the clean glass system and ash pan allow for easy cleaning. There's even an optional remote control for easy operation. Nestor Martin is one of the oldest stove manufacturers still trading today. Established in 1854 their are designed to burn wood to the highest standards of performance, safety and emissions. Nestor Martin stoves are manufactured from mostly recycled materials. Contact **Eurostove** for more information.

01934 750500 www.eurostove.co.uk



Specialists in Timber Frame Buildings throughout the UK

Engineers, Designers, Manufacturers and Builders of Timber Frame Homes for Self Builders and Independent Property Developers



t: 01892 771354

e: info@solotimberframe.co.uk

w: solotimberframe.co.uk

SPECFLUE

...designed to be better



MCZ

Curve

Pellet Stove

A+ Energy Rating

Ecodesign Ready

Maestro operating system

– controlled via an app

Available with black,
grey, Bordeaux or
white cladding

www.specflue.com // [f](#) [t](#) [@specflue](#)

The Woodfire Passiv



Most of us would like a real fire in our dream home but with increasing levels of insulation and airtightness the perfect solution can be hard to find. An open fire is out and a normal woodburner can produce too much heat. The Woodfire Passiv neatly solves this conundrum. Designed to give most of its heat to a thermal store, it'll provide next day's heating and domestic hot water without overheating the room. The Passiv is 85.8 per cent efficient and burns incredibly cleanly. Wood-heating is largely carbon

neutral so it'll help the environment while reducing your heating bills and create that cosy atmosphere that only a real fire can bring. Visit the **Wood Fire Stoves** website for further information.

01803 712735 www.woodfirestoves.co.uk

The Energystore



At the heart of every renewable heating system is the thermal store, saving up the heat when it's available from solar thermal, a heat pump or a woodburner. Firepower's Energystores lead the field with a wide range of tanks that are so efficient they lose less than 2° over 24 hours. The critical element is always the insulation. Budget tanks use foam rubber, but it would need 600mm of foam rubber to equal the 100mm of polyurethane on an Energystore. So let yesterday's sun provide today's

hot water, and last night's cosy fire give you today's heating, with a top of the range Energystore. For further information, please visit the **Firepower** website.

0844 332 0157 www.firepowerheating.co.uk



THE 990 ELX ELECTRIC RANGE COOKER

.....
The contemporary 990 ELX provides e'X'tra capacity. It's designed with food enthusiasts in mind with double the hob space of a regular range. Run on a standard electricity supply, the style, elegance and patented roasting and baking qualities of a 990 ELX adds an outstandingly energy efficient centrepiece to your home.
.....

ENGINEERED BY

ESSE



.....
enquiries@esse.com 01282 813235 esse.com
.....

Electric range cookers – at home in any kitchen

Stylish, versatile and easy to install, modern energy-efficient range cookers are enjoying a new lease of life in both town and country, as ESSE's Mark Blewitt explains



It's an established rite of passage on the downshifter's 'road less travelled.' Scour Zoopla for a 'doer-upper' property in the countryside, escape the city, buy a 4x4, move into a rustic retreat, fix the roof, bathrooms and kitchen, replace the ancient range cooker inherited with aforementioned rural wreck.

But times are changing. In the near future that 4x4 is likely to be a hybrid and

instead of burning heating oil or wood, the range cooker will almost certainly be electric.

While there's something unmistakably satisfying about cooking over heat radiating from a traditional firebox, thanks to intelligently engineered heating elements and clever use of conductive metals, today's electric range cookers deliver an almost identical cooking

experience to solid fuel models – while consuming significantly less energy.

The secret to achieving these efficiencies lies in the principle of heat storage – bringing a large mass up to temperature and maintaining it with 'little and often' injections of energy.

A modern range cooker weighs upwards of 300 kg, meaning that once it gets hot, it tends to stay hot – requiring



A full-size range cooker with a companion unit can easily be installed as part of an open-plan 'island design'

only the occasional input of power to maintain its temperature.

Most modern models utilise a form of standby mode, which maintains the elements at the optimum temperature to reach working temperature quickly. The most efficient models will reach 200°C from standby in around 15 minutes – superior to a standard gas or electric oven.

Programmable timers mean ovens can be warming up while the cook is busy prepping the meal. The top oven reaches 240°C in just 15 minutes from slumber setting, while the hotplate reaches 200°C in just 12 minutes from standby mode.

Unlike conventional appliances, those deep ovens and small doors are designed to retain the heat regardless of how many times the door is opened.

There's more to a modern electric range cooker than the ovens: the generous hobs also provide the versatility and specialist cooking functions that few conventional cookers can offer.

While old school range cookers usually sported circular 'hot' and 'medium' hotplates, today's models incorporate state-of-the-art induction hobs, 'plancha-style' griddles, or a combination of complementary hotplates.

As well as accommodating up to three pans each, these large hotplates provide the facility to cook direct on a cook-plate that will char-grill vegetables for extra

flavour or steam and sizzle meat and fish with bistro-style flair.

Electric range cookers are increasingly finding favour beyond their natural habitat in the countryside. Electric range cookers don't require installation along external walls to accommodate the flue, so the options for more adventurous kitchen design open up accordingly.

A full-size range cooker with a companion unit can easily be installed as part of an open-plan 'island design' – providing a practical and visually stunning focal point for a contemporary studio kitchen. And an electric range cooker can even be incorporated within a more compact kitchen-diner space in an urban flat.

Compact electric range cookers can be incorporated within a fitted kitchen or installed as a standalone appliance – slotting seamlessly into the space reserved for a standard cooker – and with no flue needed, this streamlined cooker can be positioned wherever there's a 13 amp power supply.

While installation is relatively simple, it's important to be able to call on the support of a nationwide network of professionals who can advise on the process and provide service and back-up.

Premium models are designed and built to last a lifetime, using quality materials which – if cared for properly – are capable of many decades of reliable

service. With this in mind, look for an established manufacturer with a proven reputation for quality who actively seeks to establish a long-term relationship with their customers.

While the new generation of efficient, electric range cookers offer all the convenience and user-friendly characteristic associated with conventional cookers, nothing can match the timeless elegance of the quintessentially British range cooker.

These distinctive cookers are much more than a functional appliance. Very quickly, they establish themselves as the focal point of any kitchen – a warm spot to which friends and family naturally gravitate.

In addition to providing a welcome source of warmth and sustenance throughout the year, range cookers provide a host of unexpected benefits. From taking the chill off a nice bottle of red on the hob to airing the washing and even resuscitating damp lambs on a cold winter's night, a range cooker takes care of it all.

In fact, installing your first range cooker is almost like welcoming a new arrival into the home – pretty soon it becomes a much-loved member of the family.

Mark Blewitt is sales director at ESSE Engineering

28 colours to keep kitchens on trend



With a pedigree in supplying top quality materials with a top quality service, **Königstone** is proud of its growing range of quartz worktops: Königquartz. Quartz is one of the toughest natural substances making it the perfect material for kitchen worktops. Due to the blend of strong materials, quartz worktops are highly scratch-, stain- and heat-resistant, have a consistent design from the engineered aspect and are easy to maintain. The Königquartz range is currently made up of 28 colours with varying designs

to complement any kitchen scheme; whether homeowners are looking for an elegant marble-look worktop or a trendy modern industrial style, there is something for everyone.

info@konigstone.co.uk

Concrete sinks for industrial style kitchens



A truly unique range of concrete-style sinks has been introduced by design pioneer, **BLANCO UK**. Ten sinks, from three ranges – ETAGON, PLEON and METRA – are now available in the super-durable, award winning SILGRANIT® PuraDur® material in the new concrete colour. The portfolio is perfect for those who aspire to something different; every sink is unique in terms of the way the finish appears. The structure varies from sink to sink while gradients differ just like real polished concrete surfaces. It even

has the same tactile qualities as concrete but is much more hardwearing. The SILGRANIT®™ PuraDur®™ is an anti-bacterial material which is easy to clean and super-hygienic.

www.blanco.co.uk

Unique Arabescato™ from COMPAC – inspired by nature

Unique Arabescato™, is part of the Unique Collection from **COMPAC** – a stunning range of quartz worksurfaces featuring designs inspired by the textures, beauty and durability of nature's rivers, forests, lakes and mountains.

Featuring a pure white surface interlaced with pale grey veins to form a sensual rhythmic design, Unique Arabescato™ is available in a polished finish that intensifies its surface colours or a glacé finish providing a smooth soft sensation to the touch.

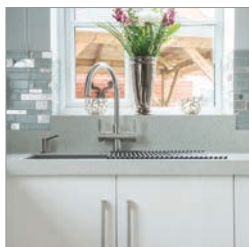
Unique Arabescato™, will grace any home or workplace with a brightness and luminosity like never before.

COMPAC's Unique Collection, benefits from the company's renowned innovative engineering skills which ensures a virtually zero porosity surface which is easy to clean and maintain and will continue to perform and retain its elegance and beauty for a lifetime of use.

www.compac.es



The kitchen in a day that helps save the world!



Remodelling a kitchen is the quick, cost-effective alternative to the disruption and inconvenience of a total replacement. **Granite & TREND Transformations** specialises in kitchen and bathroom makeovers which are carried out in a day as they retain the existing unit and floor layout. This saves on messy and often unnecessary installation of perfectly good units; saving time, money and damage to the environment. Even the existing worktops are repurposed as Granite & TREND

Transformations has developed a unique quartz and granite worktop that fits over the existing worktops like a glove. Granite & TREND worktops are as hard-wearing and durable as a normal quartz or granite worktop.

www.granitetransformations.co.uk

Mix and match with Keller's new models



Keller's Elba and Crystal models are perfectly blended to create a beautiful and trendy kitchen mixing materials and textures. These models give plenty of design opportunity so kitchens can truly reflect the homeowner's personality. They can shake it up with bold or light tones with one of Keller's 1,950 NCS colours on structured lacquer cabinets, such as Olive Green, and embrace the rustic rough oak cabinetry and build on this with matching oak shelving or an oak table. Homeowners

can embrace the industrial style by including dark coloured or metallic appliances into kitchen schemes, or incorporate the growing trend for bringing the outdoors in with kitchen plants and green cabinetry.

www.kellerkitchens.com



CUSTOM SPIRAL STAIRCASES

www.completestairsystems.co.uk
info@completestairsystems.co.uk
 01794 522 444



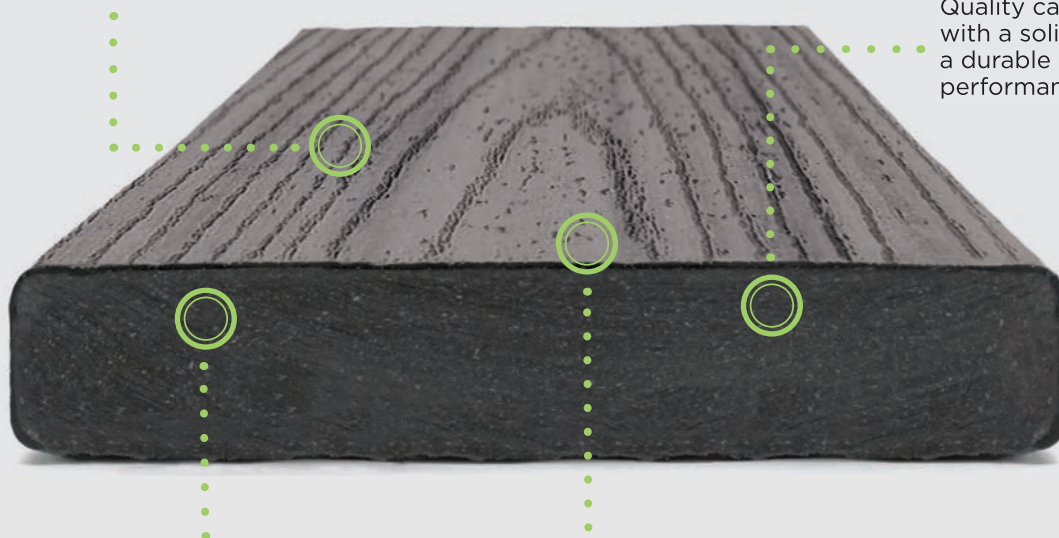


Order your free Trex® samples using code **SELFBJUNE19**

THE SECRET IS IN THE SHELL

The Trex shell offers enhanced fade and stain resistance covered by the 25 year warranty

Quality capped product with a solid core delivers a durable and stable performance



Made from 95% recycled material

25 year limited warranty for peace of mind

TREX® FOR ANY DECK NEW RANGES. NEW COLOURS.



GOOD



Trex Enhance®
Basics

BETTER



Trex Enhance®
Naturals

BEST



Trex Transcend®

With fabulous new colours and a realistic wood grain effect, the 2019 Trex® range has a solution for any project or budget.

T. 01469 532 300 E. sales@arborforestproducts.co.uk
www.arbordeck.co.uk [#TrexForAnyDeck](https://www.instagram.com/TrexForAnyDeck)

Grand gardens

Millboard's Caroline Birdsall discusses the various design approaches available to help self-builders achieve a truly 'premium' outdoor space



Great outdoor spaces reflect the style and ambience of the properties that they belong to – and they also communicate the temperaments of the owners. Designs that step outside of those tenets have a tendency to be jarring, or worse, uninspiring. Happily, there's never been a better time to immerse yourself in landscaping as the diversity of available options means that everybody can find a way to make their gardens marry up with their houses, and with their personalities.

Generally speaking, contemporary premium garden design falls into two camps – hyper luxe (think of sleek hotel courtyards with muted colours and flashes of chrome) and naturalistic (which can mean anything from wild meadow flowers

to lawns punctuated with showy topiary). But in between these two polarities sits an entire smorgasbord of options. From comfortable and creative bohemian hideaways to lap-of-luxury outdoor living rooms, gardens offer so many opportunities for self-expression.

What holds these themes together under the banner of 'premium garden design' is the finish and commitment to the idea. Premium design doesn't dip its toe tentatively in a tin of red cedar fence paint, it goes all-out with teal, magenta, extravagant blooms, and flamboyant foliage.

The other marker of quality is, unavoidably, quality. Premium design calls for premium materials, so these gardens are more likely to be spruced up with products like the Exteriors range by

Gardens constantly evolve, so don't be afraid to make bold statements

Farrow and Ball than the high street value range. They'll also contain expertly mapped out lighting, perfectly choreographed to highlight this tree or that water feature.

Naturally, such expense doesn't want to be mistaken for inferior products so these



materials will be used in ways that cheaper alternatives simply can't be. Decking, for example, takes on an entirely different character in a premium garden. Whereas cheap softwood timber decks will support algal growth, turning them into surprise ice rinks for their owners, highly engineered composite boards such as Millboard or Trex are specifically designed to be water and slip resistant. They can therefore be used in unexpected and exciting ways.

The Ideal Home Show's judges recently awarded the gold medal to an inspired garden scheme that innovatively mixed embered composite boards with bare copper frothing greenery and multiple water features. The resulting Javan forest idyll would've been unworkable with lesser materials.

Unlike interior spaces, gardens constantly evolve, so don't be afraid to make bold statements. In fact, in some ways this can be of greater importance than expense when it comes to achieving an extravagant finish, so if your budget is limited, approach your design with chutzpah and you'll reap the rewards, whatever your aesthetic leanings.

What has fallen out of favour is the middle ground – the safe option of two square lawns and a water feature. Unimaginative patches of concrete are also on the backslide, for the poor visuals and the environmental concerns around

the use of the material. And regardless of theming, whether you go for ultra-modern or traditional, flow is important. Starkly segmented areas can be unwelcoming, so divisions are better indicated by banks of 'pleached' trees or by walls softened by trailing plants.

If the riot of styles available is slightly overwhelming, you can aim for one of the three current dominant trends – bohemian, indoors/outdoors or living walls. Narrowing your focus always strengthens your garden goals so let's look at these in turn.

The relaxed gaiety of the bohemian hippy retreat is highly achievable. To create this carefree style, you'll need to think about layering rich textures and colour palettes to cultivate a lived-in look. This sort of design scheme works best as a secret garden within a garden – use part of your space as a seating area (beachy composite decking can add to the serene, 'edge-of-the-world' vibe), and surround it with oceans of meadow flowers, climbing morning glories and clematis. If you've some good established trees in the area, you could hang a quality cotton hammock like the fringed ones available from Tropical Hammocks.

Another major trend is 'extending the indoors out'. Essentially, this can mean anything from recreating living-room style spaces in the garden to installing full-scale patio kitchens. The former

approach is accessible to most, and makes such an impact. Firstly, you'll want to cultivate a relaxed seating area with an enticing rattan set (suppliers include B&Q and Out and Out).

These seating areas can be dressed with sculptural walls, potted ferns and set atop a high finish flooring system, like Millboard's Brushed Basalt decking or Tile Mountain's Outdoor Mid Grey Porcelain slabs.

Finally, if you are feeling adventurous, the trend for living walls shows no sign of abating, and they currently adorn countless prestigious and prize-winning gardens. These walls look absolutely stunning when brimming with densely planted fruits and florals.

Companies like Treebox make it easy to get going with their Easiwall-Pro system. This is manufactured in the UK from 80 per cent recycled materials and its modular design makes vertical planting a breeze.

Whatever you opt for, remember to foreground greenery and to steer clear of vast expanses of concrete (unless you're going for a Brutalist look of course). Aside from that rule of thumb, there are no absolute constraints, so have fun infusing your outside space with your own creative approach!

Caroline Birdsall is marketing manager at Millboard



Trex® decking: the secret is in the shell

Since **Arbor Forest Products** first launched Trex® composite into the UK eight years ago it has firmly established itself as the market leader, distributing the World's Number 1 decking brand and offering a level of quality and aftercare that other composite companies can't compete with. So what makes Trex decking stand out from the rest? The secret is in the shell!

Trex decking is manufactured using a protective shell coating, which is three times thicker than the industry standard and covers three sides of the deck boards. This means that the exposed sides of the decking are protected from the weather, and the underside has room to breathe. This allows the decking to be durable, with a long life-span even when subject to the fickle UK weather. What's more, Trex and Arbor Forest Products have now launched two new collections with lower price points but with the same Trex guarantee, in an array of stylish new colours. The Trex Enhance Naturals collection offers homeowners the beauty of wood with the ease of composite at an affordable price, and the Trex Enhance Basics range pairs price and minimal maintenance, offering an entry-level Trex product that doesn't compromise on quality.

01469 532 300 www.arbordeck.co.uk

SAiGE

Composite Products

Longlife Decking | Longlife Fencing

Providers of high quality composite decking and fencing products

Some of our key features:

- Hard wearing
- Anti-slip properties
- Low maintenance
- Splinter free
- Easy to install
- Mould and fungus resistance
- Hidden fixings

FREE SAMPLES AVAILABLE

visit us online at
WWW.COMPOSITEDECKING.CO.UK

ecodek®



SUSTAINABLE OUTDOOR LIVING.

The durable and sustainable **alternative** to hardwood and hollow decking

- High quality, British made Wood Plastic Composite
- ecodek® contains 95% sustainably sourced hardwood and HDPE recycled polymer and is 100% recyclable
- Bespoke lengths minimise waste
- Solid boards that will not splinter or rot
- Carbon negative production
- Low potential for slip wet or dry
- Low maintenance
- 25 year warranty

To use ecodek® on your next project,
contact enquiries@ecodek.co.uk
or call 01978 667 840
www.ecodek.co.uk



Coloured rads from Stelrad



Coloured radiators are growing in popularity, so much so that leading radiator manufacturer **Stelrad** is now producing a number of coloured radiators that are available from stock – for delivery within 72 hours of order.

Many of its radiators are available in up to 36 different colours – ideal for interior decorators and for people looking to match or contrast their radiators with other decor in their new home.

For more information head for the Stelrad website to see what is now available.

0844 543 6200 www.stelrad.com

Furnish with Norbord



Norbord produced the world's first MDF and, in 1979, its Cowie factory became the first to produce MDF in the UK. Today the company manufactures a full range of MDF products for a variety of applications, including light weight and standard weight grades and moisture-resistant versions. Its top-quality grade, CaberWood MDF Pro is designed specifically for the production of high-grade furniture and fittings. Its consistent close-grained texture ensures clean edges and surfaces that will take a

smooth finish. While the furniture industry is an important consumer of all types of wood product, the bulk of its production relies on sheet materials and in particular, products like Norbord's CaberWood MDF.

www.norbord.co.uk

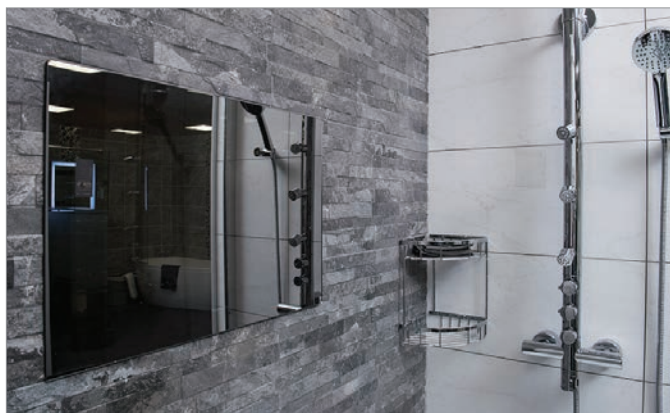
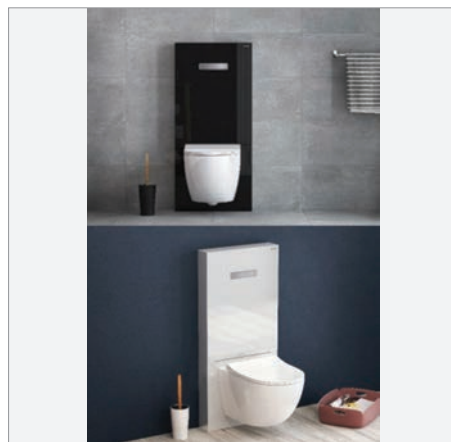
Wall-hung WCs made easy with striking glass casing Vitrus

Vitra has pioneered easy, fuss-free installation for wall hung sanitaryware with its extensive range of in-wall frames and has now taken another step forward with the introduction of Vitrus, an elegant glass casing-control panel combination that means wall-hung, or back to wall WCs can be retrofitted and new installations can be made without the need for a false wall.

Vitrus comprises an in-wall-frame and cistern within a slimline glass case that seamlessly combines a modern dual-flush plate. The pan is attached to the casing which can be fixed to most types of wall. Available in either opaque white or opaque black shatterproof glass, Vitrus has been designed with a large cover opening so that the cistern is easily accessible for maintenance.

"Vitrus solves a lot of installation problems, not just for those who want to upgrade to a wall-hung WC or shower WC but also in new installations," says Marketing Manager Margaret Talbot. "Either black or white glass makes a striking stand-out addition to all bathroom settings; it works well with white or black sanitaryware and the fitting can be used with a selection of our wall-hung or back to wall pans."

www.vitra.co.uk

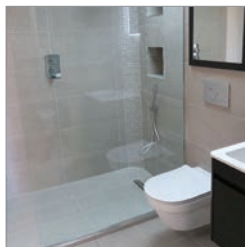


Get better connected with ProofVision

UK homes are becoming smarter and better connected as innovation drives consumer desire for home automation. Around 6.8 million UK households now have at least one smart device and 30 per cent of people plan to purchase one within the next two years. This year, around £10.8 billion will be spent on smart home devices. To meet this growing demand, leading waterproof electronics specialist, **ProofVision**, has updated its entire range of bathroom and outdoor TVs to include RS232 over IP control as standard, increasing suitability to the home automation sector and making the TVs easier to install and test. Ideal for end users looking for fully integrated waterproof TV to complete the ultimate home entertainment system, ProofVision's bathroom and outdoor TVs are now compatible with all leading control systems, including Control4, Crestron and RTI. In addition to extra connectivity through IR and RS232, products in ProofVision's range of waterproof TVs offer a wide variety of features, including: 4k Ultra HD/1080p; Anti-misting and anti-glare panels; IP66/IP67 rated; Compatible with smart TV plugin; Ultra slim design fits flush with wall; Mirror finish; Built in FreeView and HDMI, USB and VGA; Waterproof remote and a 2 year warranty.

0845 467 2593 www.proofvision.co.uk

Shower sense with an Abacus bathroom

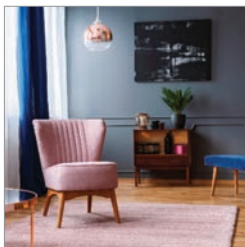


The stylish Emotion range from **Abacus Bathrooms** encompasses a huge variety of chrome-finished easy-clean showerheads, hand showers, thermo shower mixers, valves and kits, giving designers, homeowners and developers everything they need for a modern, quality shower or wetroom. The round, rectangular and square showerheads come in a range of sizes, including ultra-thin designs. They can be installed directly into the ceiling or on a wall arm, and can be combined with a hand shower to create a

full showering solution. The thermostatic shower mixer can be concealed behind the wall for a seamless elegant look. All products come with a five-year guarantee and the PLUS kits are WRAS approved.

www.abacus-bathrooms.co.uk

Keep up with the latest trends in colour



A fresh coat of paint is one of the simplest and most cost-effective ways to keep your home on trend. **TeknosPro** has teamed up with Nikki van Loon, an interiors consultant from Templeogue Décor, a TeknosPro stockist, to look at most popular colours for your home. Energising accents, such as pink, orange and coral, are hot trends for 2019. Nikki recommends combining these with rich earthy tones, such as navy or charcoal. But, where should you apply the new colours? Walls are the obvious choice,

with many moving from the bold statement walls to creating full feature rooms, but you can also paint your furniture, stairs, kitchen cabinets and even your front door with a range of colours from TeknosPro's portfolios.

www.teknospro.co.uk

BATHROOMS & SHOWERS

PEGASUS WHIRLPOOL BATHS



BESPOKE! Not all Whirlpool Baths are made the same...

Ask about our bespoke Flush-Jet™ & Flush-Spa™ options
01633 244555 : info@pegasuswhirlpoolbaths.co.uk
www.pegasuswhirlpoolbaths.co.uk
61-62 Lower Dock St, Kingsway, Newport, Gwent, NP20 1EF



DOORS & WINDOWS

SASH WINDOW LOCKS



ROLA

www.sashwindowlock.com
TEL: 0844 482 20 34 FAX 01708 768 825

OAK PRODUCTS

OAK BEAMS

IMMENSE STOCKS

WIDE OAK FLOORBOARDS
BRICKS, PEG TILES ETC,
BARN FRAMES, FOR RE-ERECTION

ANTIQUE BUILDINGS LTD
Tel: 01483 200477
www.antiquebuildings.com

TEMPORARY ACCOMMODATION

CARA-SALES
Static Caravans
for Self Builders



Buy-Rent-Sell
01482 633750
info@cara-sales.com
www.cara-sales.com

Worcestershire Caravan Sales Worcester Caravan Sales
Used caravans from £1,000

Up to 200 used static caravans to view.
Suitable for temporary accommodation.



From 28'x10' to 39'x13'.
Two & three bedrooms.
Some double glazed/central heating.
Open 7 days a week.

Guaranteed buy back.

www.worcestershirecaravansales.com
Tel 01299 878872
Email wcaravans@aol.com

BE WISE WHEN YOU ADVERTISE
SBH IS INDEPENDENTLY VERIFIED BY ABC




ADVICE & INFORMATION

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

AIR CONDITIONING & VENTILATION

EnviroVent
01423 810810
www.envirovent.com

Total Home Environment
0345 260 0123
www.totalhome.co.uk

BATHROOMS & SHOWERS

Grant Westfield
0131 337 6262
www.grantwestfield.co.uk

BI FOLDING & SLIDING DOORS

Garador Ltd
01935 443 722
www.garador.co.uk

DOORS & WINDOWS

Phantom Screens (UK) Ltd
01778 560070
www.phantom-screens.co.uk

GLASS & GLAZING

Red Glazing Systems
0203 478 9610
www.redglazingsystems.co.uk

MASTIC SEALANTS

Domestic Mastics
0208 7126142
www.domesticmastic.net

RAINWATER PRODUCTS

Yeoman Rainguard
0113 279 5854
www.rainguard.co.uk

STATIC HOMES

Sunrise Holiday Homes Ltd
01255 815045
www.shhltd.co.uk

TEMPORARY ACCOMMODATION

Amber Leisure Clacton
01255 821190
www.amberleisure.com

TIMBER & JOINERY

Radnor Oak Buildings Ltd
01544 260 727
www.radnoroak.co.uk

EVEN MORE WAYS TO GET THE LATEST INFORMATION FOR SELF-BUILDERS!



www.sbhonline.co.uk

The Selfbuilder & Homemaker website is an online provider of past and present products and news items for the selfbuilder. Regularly updated with hundreds of press releases sbhonline.co.uk is a one-stop source for all the latest press releases providing you with access to information about products and services you require for your project as well as self-build relevant news and case studies.



Digital Issue

The digital issue of Selfbuilder & Homemaker provides all the same content as the print issue with the added advantage of being instantly available whenever and wherever you have access to the internet. In addition to its ease of access the digital issue of Selfbuilder & Homemaker gives direct links to advertisers, allowing you to visit a potential supplier's website with the simple click of a mouse. Subscribe at www.sbhonline.co.uk



SBH Newsletter

Emailed on a monthly basis, the Selfbuilder & Homemaker newsletter is designed to provide you with the latest information on products and services of interest, direct to your inbox. You can quickly gather a snapshot of information from up to 12 care-fully selected companies and easily follow links through to further information on www.sbhonline.co.uk, or go direct to the company's own website. Brochures and videos are also regularly available. Subscribe at www.sbhonline.co.uk

Perfectly Crafted Oak Framed Homes



WELSH
OAK
FRAME

Award winning oak frame
homes, extensions, garden
rooms & orangeries.

Planning – Architectural Design – Build

Contact us:

01686 688 000

info@welshoakframe.com

welshoakframe.com

