



BCR

Building & Construction Review

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RYNO TerraSmart® Bespoke Planter Systems breathe life into your projects and transform outdoor living spaces



RYNO is proud to announce 3 new systems that have been crafted to transform outdoor living.

The fully bespoke planter systems are the following:

- ▣ **TerraSmart® Contour Bespoke Planter System**, crafted for curves, waves, and radial designs.
- ▣ **TerraSmart® Ledge Bespoke Planter System**, designed for straight lines and angular corner details.
- ▣ **TerraSmart® Ascent Bespoke Planter System**, aptly named due to its backward leaning face, and suitable for layouts including straights, corners, and curves.

TerraSmart® Planter Systems feature panels that come in virtually any required size, they integrate seamlessly in any project, offer a

range of finishes, from steel and metallic to classic colours and timber cladding, and a choice of components, from recessed and cantilever seating to hinged access doors, and recessed lighting strips that bring the planters to life at night.

Each planter system offers a choice of fixing method:

- ▣ **Baseboard Fix:** Seamless integrated planter support, minimising weight and providing a void for services underneath.
- ▣ **Concrete Fix:** A concrete parapet to secure the planter edge.

See our Planters at our **Studio**, visit our website: www.rynosystems.com for more information, or please call: +44 (0)203 967 3500.

Mobile CO₂ pH Balancing for the Construction Industry



‘The Neutralizer’

Smart Storm is excited to share that our Neutralizer CO₂ pH Balancer has reached a new milestone, achieving 50m³ per hour treatment rate!

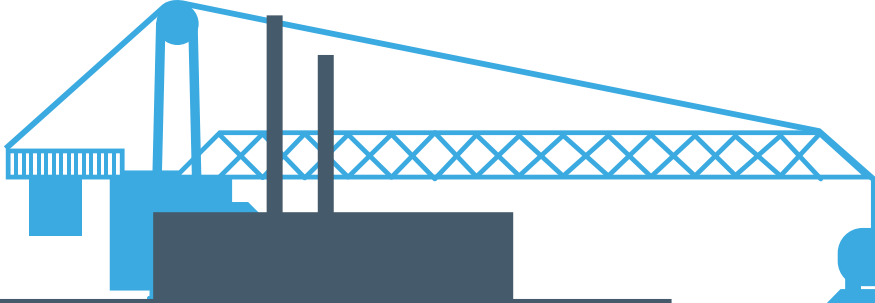
Our innovative, inline, continuous flow balancer is designed to neutralize caustic washouts on construction sites using only CO₂, eliminating the need for chemicals and promoting safer onsite working conditions.

Features and Benefits:

- ▲ Fast continuous in-line process
- ▲ Fully automated plug and go

- ▲ Up to 50m³/h flow rate
- ▲ No dangerous chemicals
- ▲ Compact Footprint
- ▲ Rugged construction
- ▲ Integral pH and Flow meters
- ▲ User-friendly
- ▲ Status alarm beacons
- ▲ Skid-mounted
- ▲ Remote Cloud-based IOT monitoring
- ▲ Green Credentials

For more information, contact us at: enquiries@smartstormgroup.com or call +44 (0)1422 363462 or visit: www.smartstormgroup.com



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Hello & welcome to Issue 409 of BCR...

Our July issue of Building & Construction Review is jam-packed with our Best of Britain award features, showcasing the best innovation from across the sector.

SWIFIX has demonstrated outstanding services to the External Wall Insulation sector through its PAS 2035-compliant product range. The products include single universal fittings, satellite fitting kits, pipe connectors, connection point fittings, and tap fittings. Read all about the latest updates, including a brand-new SWIFIX depot on page 3.

Adveco provides expert low-carbon hot water systems to the building services industry. The company is driving sustainability best practice with new refrigerant technology for ASHP's based on R290 (propane), which will further reduce GWP, increase efficiencies and supply higher working temperatures. Read more on page 4.

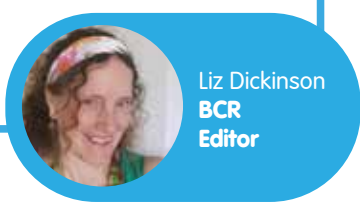


Cibes Lift UK is a subsidiary of the global giant Cibes Lift Group, one of the world's largest manufacturers of platform and cabin lifts and provides outstanding services to the Platform Lift sector. In our feature on page 7, read why Cibes UK is such a game-changer in the industry.

We can't wait for you to enjoy our Best of Britain section, and why not check out the fire safety, landscape & outdoor building, furniture & interiors and building products & services sections too?

Don't forget to send us your latest construction updates and news.

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SWIFIX: Best of Britain Award

We are delighted to announce that **SWIFIX** is the recipient of our **Best of Britain Award** for **outstanding services** to the **External Wall Insulation (EWI) sector**

Multi-award winner SWIFIX is a real powerhouse in the UK EWI sector, with an astonishing 200% growth last year and is already on course to more than double that this year. The last twelve months have been a whirlwind, with Director, Paul Brown needing to take on a new premises.

"We've just taken on a brand-new depot to expand the fulfilment side of the business, after running the business from home and are busying ourselves with lots of warehouse management courses.

"Since we established the company in 2016, we've partnered with fibre-only operator, CityFibre to roll out country-wide broadband with five of our leading installation products, from fibre broadband cables, catenary wires to utility boxes. The other exciting project was working with Exeter College as a consultant on the curriculum design and delivery of retrofit boot-camps and upskilling courses for the insulation sector.

"This work has continued further as a key member of GCAP (Green Construction Advisory Panel): a group of individuals set up in the South West from across industry; including installers, suppliers, landlords and merchants. The mission of GCAP is to bring sustainable training and education opportunities to the housing and construction sectors."

With the passing of PAS 2030 in 2017 and PAS 2035 in 2019, the industry has drastically



reconsidered the traditional usage of timber pattresses, with SWIFIX fittings now being routinely used instead as Product of Choice by many EWI Systems Designers.

With expert knowledge of the EWI sector at large, specifically within the housing sector, Paul seized on a gap in the market and designed and produced a range of fittings, focused for refitting and installing lightweight and heavyweight items through EWI systems. These innovative fixings are approved and specified by many EWI system designs and clients across the UK and can be used during or after system installation.



The SWIFIX range is PAS 2035-compliant for retrofitting, modular housing sector and future-proofed for maintenance provision, meeting robust requirements to mitigate against insulation compression, with its signature watertight seal. The products include single universal fittings, satellite fitting kits, pipe connectors, connection point fittings, and tap fittings.



External Wall Insulation itself is not a new concept however, it was originally used in Germany and have been prevalent in Europe from the 1960s onwards.

"We're delighted to win the Best of Britain Award and the lovely thing is that though Europe invented EWI- our Devon-based company is now supplying our products throughout Europe- it's gone full circle. We've cornered the market in Greece, Poland and Germany and long-term are hoping to expand further across the continent. Business is booming as our products are so unique on the market."

With the current focus on the circular economy and meeting the UK Government's 2050 net-zero targets, it is an added bonus that the

SWIFIX fixing range are made from partially-recycled plastics, with all parts and packaging fully recyclable, reducing the need for landfill.

The multi-award-winning SWIFIX external wall fixings are available via wholesale merchants and come highly recommended by the UK's leading systems manufacturers.



www.swifix.co.uk

Helping to build a s

Greg Brushett, Sales Director at hot water specialists **Adveco**, discusses the company's **Best of Britain Award-winning** approach to meeting the ubiquitous demands for **water heating in commercial properties** and how it has evolved to help drive **greater sustainability** throughout UK organisations...

Adveco began in 1971, when the company was founded as Advance Services (Sales) Ltd, supporting the launderette industry with a vision for increased efficiency and cost saving by utilising glass-lined boilers and galvanised hot water storage tanks. As a result, the company was recognised by BSRIA as the instigator of direct gas-fired water heaters in the UK.

Throughout the next 27 years, the company helped develop the market trading as A.O. Smith Water Heaters (Adveco AWP). In 2015 the company embraced its own brand and today Adveco is the trusted specialist provider of low-carbon hot water systems to the building services industry. Operating across all commercial sectors, the company is proud to be



leading the way with its vision for lower carbon applications that leverage heat pump and solar thermal technologies with packaged and off-site constructed systems to help achieve net zero.

As an engineering-led business, Adveco has always been an innovator in the provision of domestic hot water (DHW) for commercial-scale projects across the UK. Retaining independent operation enables Adveco to select the optimal choice of technology and manufacturing

partners to be fast to market with the right products for its commercial customers. This has allowed Adveco to seamlessly move focus to encompass a blend of traditional and new, more sustainable technologies in the form of solar thermal and especially heat pumps to integrate greater sustainability into DHW systems.

With a predicted one-third rise in non-domestic floor space by 2050, much of the current focus resides on new builds, but this still leaves more than 1.6 million pre-existing non-domestic buildings in England and Wales, generating almost one-fifth of the UK's carbon emissions, needing expert, practical support. To best support the needs of all commercial buildings Adveco has concentrated on delivering effective, rapid and lower-cost innovation of water heating systems and appliances that drive and support the adoption of sustainability, but not at the expense of existing infrastructure or working building systems.

This foundational innovation for achieving net zero is comprised of six 'pillars'. The first of these 'pillars of Innovation' encompasses work to reduce energy use. This is a core building block and focuses on the delivery of greater efficiency. This starts with approaches to how internal components operate with a device and how a device interoperates with others in a larger system.

Gas-fired systems will remain an important technology for the high-demand provision of hot water in commercial buildings well into the 2040s, despite being a fossil fuel. For many older buildings, it is the only cost-effective approach

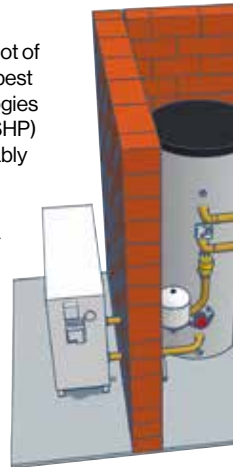


available, so improving efficiency has been a key consideration.

The patented Ecologic premix burner used in Adveco's AD, ADplus and MD ranges is a good example, increasing efficiency to reduce fuel, cutting carbon and dangerous NO emissions, our second pillar of innovation.

At a system level, we have spent a lot of development time calculating the best ways to reduce how hard technologies such as air source heat pumps (ASHP) and direct electric heaters, preferably boilers but also immersions need to work. As a result, the company has become a vocal supporter of a hybrid approach to commercial-scale hot water provision as the best method for maximising efficiency whilst maintaining necessary higher working flows to meet safe operational conditions. Hybrid systems can encompass anything from gas and solar thermal through to ASHPs, electric boilers, immersions and solar thermal in a single system, all balanced by bespoke controls designed in-house by Adveco.

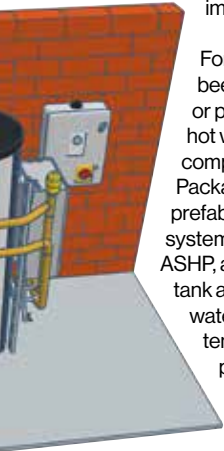
Historically this approach required bespoke



sustainable Britain



system design, which could be both complex and costly. As a result, Adveco has committed itself to a research and development programme that creates pre-packaged systems. This creates new efficiencies to cut energy consumption, emissions, and reduce costs, both capital and operational, our third pillar, and improve installation, the fourth pillar.



For almost ten years Adveco has been striving to deliver a pre-sized or prefabricated system to deliver hot water demands. In 2020 the company launched its award-winning Packaged e32-Hot Water System. This prefabricated all-electric water heating system brought together Adveco's FPI32 ASHP, a 200L GLC indirect preheat tank and a 200L GLE direct electric water heater to provide reliable high-temperature water in a convenient, packaged system housed in a compact GRP housing.

The e32 provided a model which evolved into the FUSION FPH-S system. Launched in 2021, again to award-winning acclaim, FUSION encompassed 16 pre-specified low-carbon, all-electric, packaged hybrid hot water systems.

FUSION further evolved into a completely new



system with more than 80 pre-sized variants. The ATSH and ATSI cylinders were redesigned from the ground up to enable mounting of an ARDENT electric boiler and prefabricated pipework for a more compact form factor which is easy to install. FUSION T variants also incorporate the latest FPI-32 ASHP that offers greater efficiency at a smaller size due to the use of R32 refrigerant. This also offers a lower global warming potential (GWP) than previous models. Able to meet a range of continuous capacity hot water demands from 257-377 litres/hour makes FUSION highly adaptable for a wide range of commercial buildings. The stainless steel construction of the ATSI/ATSH cylinders also makes them excellent all-rounders, resistant to soft water corrosion and, with FUSION's unique low electric immersion heat intensity (6W/cm²), is more resistant to scale build-up in hard water areas, extending system longevity, our fifth pillar of innovation.

The physical design, dedicated controls and integrated metering ensure the ASHP preheat, and immersion work seamlessly to deliver the highest operational efficiencies. This enables FUSION to make the greatest gains possible from the heat pump, even when ambient temperature and system demands fluctuate. These gains offset much of the direct electrical energy usually required, delivering up to 56% carbon emissions savings and helping control the operational costs

of providing business-critical hot water.

Integrating FUSION technology with solar thermal collectors which use Adveco-designed drain back to extend the efficiency and longevity of the system, we can further reduce system energy demands. By at least 30% in the UK, driving carbon emissions down by as much as 70% over equivalent-sized gas-fired systems. It is a huge accomplishment but is only the beginning.

Our work with hot water metering is already saving organisations potentially hundreds of thousands of pounds, enabling the progress of nascent



sustainability strategies. As that data aggregates, we are starting to gain the first true idea of the scale of the challenge facing the commercial sector to decarbonise water heating systems in its buildings. New refrigerant technology for ASHP's based on R290 (propane)

will further reduce GWP, increase efficiencies and supply higher working temperatures. Hydrogen mixes, already supported by Adveco gas water heaters, will enable the reduction of natural gas within grid supplies to further alleviate carbon emissions from legacy building stock. We are also working hard to identify and reduce the embodied carbon which resides in the logistics chain from manufacture to delivery, which is the sixth and final pillar of sustainable innovation.

Achieving net zero in the UK is an immense challenge, one that demands innovation and one that Adveco relishes working in partnership with its customers to realise for future generations.

www.adveco.co

Business is heating up

Renewable energy heat pumps take natural thermal energy from the air, ground, or water and turn it into heat that can be used for hot water and heating systems.

They are an alternative to the traditional heating methods, such as gas, that are currently used to heat business properties up and down the country, but which are being phased out as part of the 2050 Government net zero targets.

There are three main types of heat pumps available to businesses:

▲ **Air source heat pumps**

– These work by transferring heat from the air into a fluid. This fluid passes through a heat exchanger to warm up hot water cylinders for taps and showers, as well radiators and other heating systems.

▲ **Ground source heat pumps**

– These circulate a mixture of water and antifreeze through a loop of piping buried outside your business premises. The heat from the ground



is then absorbed into the fluid before being passed through a heat exchanger into the heat pump.

▲ **Water source heat pumps** – If your business

If you combine a heat pump with other renewable energy technologies, such as solar panels, you can make your business premises almost completely self-sufficient through self-generated energy.

is based near a large area of water, a water source heat pump can be used to extract energy from it.

What are the benefits of switching to heat pumps?

- ▲ They will reduce your carbon footprint
- ▲ They will lower your energy bills
- ▲ They cost a lot less to maintain than gas boilers and have a longer life span
- ▲ They can be used as a cooling system in warmer weather



If you would like to find out more about options available for your business, please get in touch with Go Geothermal today on 01388 720228, email: sales@gogeothermal.co.uk or visit: www.gogeothermal.co.uk



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- **MANAGEMENT**
- **ADVANCED CRAFT**
- **LEVEL 2-7**




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Platform Lifts, Cabin Lifts and Goods Lifts



Cibes Lift UK is a subsidiary of the global giant Cibes Lift Group, one of the world's largest manufacturers of platform and cabin lifts. Designed and manufactured in Cibes' home country of Sweden, high quality Scandinavian engineering and beautiful design are the secrets behind its ever-growing success. Over 70 years of continuous business development and growth has seen them manufacture and sell 70,000 lifts in over 70 countries for people's homes, offices, schools or other public spaces either directly to the end user or via specifications from architects and requests from builders and contractors.

Offering an end-to-end service, Cibes design, manufacture, install and service Platform Lifts, Cabin Lifts and Goods Lifts. We spoke to Brad Edwards, Head of Sales at Cibes Lift UK who explained what sets the company's products apart from the rest.

"There is a number of reasons why Cibes are such a game-changing company. Firstly, a number of competitors sell other people's lifts. We are the manufacturer of our own lifts making us more flexible when it comes to design. We can usually be more comprehensive when it comes to providing our customers and clients with information, while clients also only pay one set of overheads.

"Secondly, our most popular lifts come in 'black as standard'. This is something NEW that we have introduced this year putting us ahead of the rest of the market.

We are delighted to announce that **Cibes** is the recipient of our **Best of Britain award for outstanding services to the Platform Lift sector**

"Thirdly, our lifts are more attractive than the vast majority of lifts on the market and are more adaptable to the building's look and feel. We also have a Bespoke Brochure. This means when customers come in for a lift quote, we create a bespoke brochure featuring their exact lift design - all other manufacturers share generic brochures and pictures."

Cibes set ambitious benchmarks for quality and performance through its leading team of innovative, aspirational and design-led experts. The launch of the 'Black as Standard' lift boasts a sophisticated graphite black with a semi-matte finish that has enabled Cibes to remain flexible and adaptable to the market conditions, technological advancements, and customer requirements. The launch met demand from architects, contractors and customers alike for a more attractive offering



without additional cost or extended delivery times.

Some other notable products to mention are the Cibes A5000, Cibes Lift UK's top-selling platform lift that is suitable for both private and commercial projects featuring a space-saving lift footprint and quality construction paired with innovative Scandinavian design.

The Cibes A4000 internal home lift features a compact design making it easier to fit within projects without compromising on space with a 'ready-made lift concept' which speeds up the installation and minimises impact on the building.



Currently, Cibes is actively enhancing its eco-friendly production. From its top-selling platform lift, A5000, that's built on 91% recyclability to The EcoSilent drive system that provides an energy-efficient and virtually silent operation, with an Energy Label A and an estimated consumption of 215 kWh/year (based on a 2 stop lift with 3.6m travel). Cibes have also enhanced its designs with features like ergonomic handrails and intuitive controls to improve the user experience while adhering to sustainable design principles.

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- Planed, treated timber, railway sleepers, tile battens, arris rail, feather edge boards, telegraph poles, glulam and more
- Our customer base consists of timber importers and merchants as well as national chains of builders' merchants

T: 01469 532 922 E: info@longlengths.com W: www.longlengths.co.uk

Sustainable industrial coatings & preservatives



Protek is an independent, family-owned woodcare manufacturing business located in Somerset, UK. Since its establishment in 1983, this innovative company has aimed to produce high-quality, water-based wood stains, paints, decorative timber coatings, and preservatives. Renowned for its expertise and

reliability, Protek offers a comprehensive range of products that provide excellent coverage, durable finishes, and environmental friendliness.

“We strive to be sustainable and innovative as we continue our growth into the retail sector,” said Harriet Farquhar B.Sc. Joint Managing Director & daughter of Eric and Janet.

“The company was set up by my mother and father, Eric & Janet Thornborough. Protek has always been pioneering in its environmental awareness, only making water-based products when creosote was still universally used. With a mission to change the manufacture of all fencing and shed products to our new water-based wood stains and treatments, our Protek 9 Star Fence Grade, diluted with 9 parts water soon became the industry standard. The decisions we make today to limit the impact we have on the environment is the same philosophy that Protek was created on, and one we continue to improve upon.”



Protek and Gloucester Timber Company (GTC) have recently launched Protek ESP to tackle water damage in the timber industry. Their new product, ‘ESP Panel’, effectively seals plywood edges to prevent delamination, a problem causing structural issues and safety hazards. Proven through third-party testing by BM TRADA, ESP Panel protects plywood even in extreme wet conditions. One litre of ESP Panel seals 200 meters of 18mm plywood edges, safeguarding 21 full sheets!!



with them to manufacture specifically tailored products to match requirements and needs.”

Protek offers superior products with excellent coverage and long-lasting finishes. As a family-run business, it prioritises environmental friendliness in its manufacturing processes, earning the trust of loyal clients. It’s sustainable range of products supports eco-friendly building practices and significantly reduces long-term costs.

Another popular product is ‘Timber Eco Shield’, designed to prolong the good looks of your timber by using the latest nanotechnology that leaves a waterproof finish. It contains a mould inhibitor to protect the coating and is perfect for use on all softwood and hardwood products. It is especially recommended for use on pressure treated timbers, as well as, sheds, summerhouses, timber buildings, fencing, gates, garden furniture, animal and bird housing.

We asked Harriet, what benefits Protek products bring to its clients. She responded, “As manufacturers we have the ability to change colours quickly to meet current trends and fashions. Protek also offer their industrial customers bespoke products, working closely

Contact
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www.protekwoodstain.co.uk
www.esp-timbertreatments.com



LSTA and SIMIAN partnership aims to bridge skills gap

The construction industry contributes almost £100m to the UK economy each year, and despite a slowdown of economic growth, the latest CSN report is suggesting that almost 41,000 additional construction workers will be needed in the south east alone, by 2027.

SIMIAN and The Lead Sheet Training Academy (LSTA) has long recognised the need to provide accessible, high-quality specialist training opportunities for the construction industry, and we are thrilled to announce a partnership with The Lead Sheet Training Academy (LSTA) - the latest addition to our growing line of strategic alliances.

Through this collaboration, SIMIAN and LSTA will deliver short-duration CISRS scaffolding courses at the Lead Sheet Training Academy



(LSTA) in East Peckham, Kent, and deliver LSTA City and Guilds accredited courses for those working with lead or hard metals, at our LASC (London Academy of Sustainable Construction) centre in Waltham Forest. This means that access to specialist construction training courses is available in more geographical areas.



Commenting on the collaboration, Dean Johns, Centre Manager at LASC, and John Lewis, Director of Operations & Training at LSTA, said, "Hosting lead sheet training courses at LASC and LASC at the Lead Sheet Training Academy is a wonderful opportunity to increase the diversity of our construction training and provide Waltham Forest and other London and South East residents with access to new skills in green construction. Equally, expanding our scaffolding training offerings into Kent allows for skills development and industry growth in that region."

To find out more about this partnership, email: hello@simian-risk.com or info@leadsheet.co.uk and visit: www.lascwalthamforest.com where more details will be released in due course.

The Best of British Engineering



Multi-award-winning Shire Structures are a trusted Consulting Civil and Structural Engineering and Specialist Contracting Company with a history spanning 26 years, bringing engineering innovation to the forefront.

Billed as 'Thinking Engineers' – they work across private, commercial and public sectors completing projects in the following areas: Civil and Structural Engineering; Telecommunications Design services; Geotechnical investigations; Structural repair services (underpinning, mini-piling, jacking, root barriers and resin injection); Insurance Perils repairs/services; QuickBase Foundations.

"We Consult, Design and Construct on the more complex projects, that others won't touch in addition to standard stabilisation projects where our extensive expertise enables us to be ahead of the game", explained Head of Operations: Matthew Newis.

Shire has been recognised with awards for both design and innovation from the RIBA Architecture Award for the Zero Carbon House in Birmingham, to the RIBA West Midlands Award for the Michael Baker Boathouse, King's School. Numerous projects have also won the Timber Society 'Wood Awards', and its QuickBase system has also won numerous Product Innovation awards, including the Fenestration Industry Gold Award and 'Best Exterior Product' at Interbuild.

Recently, Shire was invited to join the Association of Specialist Underpinning Contractors (ASUC), and is proud to have a major involvement with the Subsidence Forum. This recognition has also recently resulted in them being asked to speak and take part in the recent I Love Claims Conference and on behalf of the IStructE at the Future Build Conference.

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Shou Sugi Ban® blackened wood

Inspired by the traditional Japanese preservation technique, Shou Sugi Ban® is handcrafted blackened wood for interior and exterior timber cladding.

When charred, the dark timber panels form a textured crackled finish. This is desired for some architectural projects, however, our expert team apply additional techniques to extend the range:

- ▲ Light brushing results in a smooth finish
- ▲ Heavy brushing defines the grain
- ▲ Colour applications create lighter tones and tints

Shou Sugi Ban® is a market-leading product manufactured in Buckinghamshire

Our charred timbers are specified by architects as they provide a timeless finish that:

- ▲ Blends new buildings into the surrounding landscape
- ▲ Meets requirements for historical renovations & barn conversions
- ▲ Differentiates original and new features in urban developments
- ▲ Offers a sustainable and insulating building material
- ▲ Delivers a highly desirable aesthetic to architectural projects



Shou Sugi Ban® premium timber cladding has featured in several RIBA award-winning properties and requires low maintenance to retain its visual appeal.

See the full range on our website: <https://exterior.supplies/charred-timber-cladding> or please contact Exterior Solutions Ltd for further information, quotes and samples or call 01494 711800.

Industry leaders in workplace health, safety and environmental training

Part of Wilmington plc, we are the leading global provider of health, safety, and environmental training and consultancy. Trusted by over 5,000 corporate clients and having trained 120,000 professionals, we have a reputation for excellence in the construction industry, underscored by our Feefo Platinum Trusted Service Award, which highlights our commitment to outstanding customer satisfaction.

We offer a range of key courses specifically designed for the construction sector:

- ▲ **NEBOSH Health and Safety Management for Construction** – This leading qualification provides the skills,

knowledge, and confidence to manage and reduce on-site risks, ensuring safety compliance.

- ▲ **IOSH Managing Safety** – Ideal for managers seeking practical guidance on health and safety actions for their teams, promoting a safer working environment.
- ▲ **IEMA Sustainability Skills for Managers** – This course equips managers with insights into the strategic and operational implications of environmental sustainability, crucial for today's construction projects.
- ▲ **IEMA Pathways to Net Zero** – Designed to help businesses kickstart their journey to net zero, this course aids

in developing comprehensive corporate net-zero strategies.

- ▲ **NEBOSH General Certificate in Occupational Health and Safety** – One of the most widely held certificates globally, it provides essential skills and knowledge to create and maintain safe and healthy workplaces.

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Wallbed Systems: No compromise on safety, comfort and ease of operation

Wallbed Systems Ltd (WBS) is a London-based global business providing an exclusive range of wall bed hardware designs to furniture manufacturers, hardware distributors, retailers, and hospitality contractors worldwide, for over 20 years.

Initially a major supplier to the USA market, Wallbed Systems Ltd (WBS) has been designing & manufacturing spring systems, allowing for safe & precise tension adjustments and easy lifting, with no compromise on comfort or convenience. Sales

coverage includes over 22 countries.

Let's focus on three of its most popular products globally.

The Alpha bed – a best seller design in 20 countries

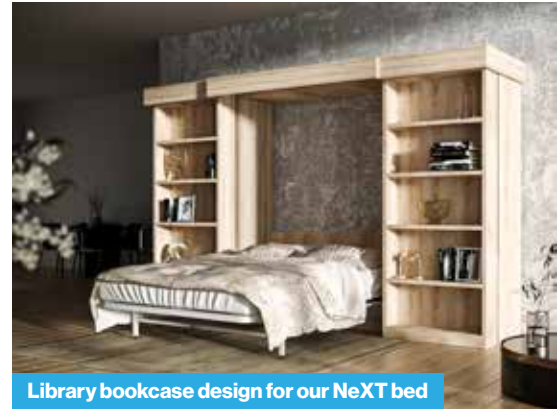
The Alpha bed system is available in standard and special sizes, vertical and horizontal mounting, with a choice of leg options and even a desk. The lightweight Alpha bed frames feature robust steel construction with reinforcing stiffeners, available in single, double, queen, and king sizes. This system includes the adjustable SBLM for perfect balance and easy, safe fingertip operation. Disappearing desk available too.

Hallmarks of WBS design

WBS wall beds are easy to install, fit mattresses up to 300mm, and ensure a great night's sleep. They include a counterbalance spring mechanism, frames, mountings, pivot system, springs, and fasteners. Powder-coated parts are ergonomic and durable, and the beds open and close with minimal effort.



Alpha panel bed with additional storage units



Library bookcase design for our NeXT bed

NeXT bed

The latest NeXT bed offers an immediate, ready-to-use solution with or without a cabinet, providing comfort like a conventional bed. Products are stocked globally, with advice available on options and sizes.

For more information on the full product range and cabinet designs:

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rapidFit[®] Riser Doors



Summary of Rapid Access

For over a decade, we have been committed to providing superior Access Panels & Riser Doors to the manufacturing and distribution industries.

We take pride in our role as a top supplier and strive to continue delivering excellence in all we do.

Beaded Frame changes



The beaded frame width on our R53 Plasterboard Faced Riser Door range will be changing from **25mm to 50mm.**

This will give us greater stability when handling and transporting our panels, reducing the risk of snagging and bending

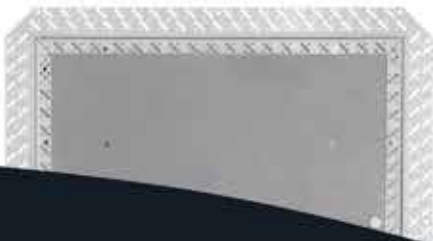


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Quercus Nursery is located in Ferring, near Worthing on the South coast and offers an extensive range of high-quality plant solutions for landscape professionals, garden designers and private clients.

Quercus Nursery prides itself on offering outstanding, bespoke customer service and door-to-door delivery.

"We fulfil commercial orders across the UK with our extensive product portfolio. We offer the A-Z of plant and tree solutions including wildflower plugs, green walls, interiors and provide bespoke contract plants grown to order. We import plants from all over Europe but also grow many shrubs, herbaceous & grasses on-site too. All our imported plants are certified with 'plant passports' by the Animal and Plant Health Agency (APHA) - they are rigorously checked for diseases at customs and later by our internal plant experts before dispatching. To receive 'plant

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We take great pride in secure plant packaging, using trolleys rather than crates, so your plants and trees arrive in perfect condition every time.

Quercus Nursery has a dedicated fleet of vehicles that delivers direct to your landscape project or garden and we serve the whole of the UK. We are happy to offer quotations for large commercial projects across the country and our dedicated team of plant experts can answer any questions on plant care from trade professionals. Our dedicated fleet of vehicles can deliver direct to your landscape project or garden."

Want to find out more? View the gallery on the website and contact us today:
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Introducing the Eco Clipper FM343



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To meet the demand for more lightweight mowers suitable for most park tractors from 40 hp upwards,

the Eco Clipper FM343 has been developed. This three-part Eco Clipper front mower cuts 343 cm wide and folds to a transport width of 170 cm. As with the EC-FM4, electricity is provided by a PTO-powered generator behind the tractor.

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Plastic recycled into low carbon seating

In 2010 three brothers from Bolton decided to turn mountains of British waste plastic into durable rot-proof building materials and outdoor furniture. They wanted an ethical business producing recycled plastic products attractive to both domestic customers as well as the building and construction industry.

Kedel Limited launched and developed over 30 new products designed for schools and local authorities in the first year of operation.

The ArcelorMittal Orbital Tower built for the London Olympics was created using 600 pre-fabricated star-like nodes, made from steel, and assembled in Bolton.

Kedel supplied recycled plastic decking boards for the viewing platforms to reduce its carbon footprint, and this also gave the platforms a long life with no maintenance requirements.

Kedel's manufacturing unit in Burnley stocks over 2000 recycled plastic products such as **decking boards, sleepers, fencing, cladding and ground reinforcement grids**, plus **outdoor furniture** such as **multicoloured benches, picnic**







tables and children's outdoor play equipment.

The independent reviews platform, Feefo, awarded Kedel Limited an 'Exceptional Service Award' in 2024.

"Exceptional Service is our most exclusive customer service award. This accolade goes to clients who receive market-leading feedback. Winners have achieved the highest rating, or the biggest improvement, in their industry. Only 32 clients are awarded the Exceptional Service Badge."

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Barnes Associates Ltd – Providing tree surveying to Architects, Town planners and developers, throughout the UK.

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Our associate ecologists provide Biodiversity Net Gain (BNG) appraisals and associated reports, landscape plans and management plans are also provided.

We problem solve when building near trees. Protected trees even with TPO (Tree Preservation Orders) can often be built near with the right approach and techniques.

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Tree plans are provided in CAD 2D and 3D along with drone imagery if required. Our tree surveyors are experienced and qualified to high standards.



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The beauty of 'old-school' joinery

If you're looking for 'old-school' traditional hand tool joinery, look no further than Bluerun Ltd. The Essex-based company prides itself on not using CNC machines, creating all drawings by hand and assembling everything in-house. The result is stunning finished products, lovingly completed to the highest standards.

The family-run business has been manufacturing bespoke joinery items for over thirty years to the commercial and domestic markets. Working in the style of artisan craftsmen, the team carry out all manner of projects in the conservation/heritage sectors, internal and external windows, gates, decks, doors, fitted furniture, pubs, offices through to more unusual customised designs like wendy houses or 10-metre-high oak hardwood trebuchets!

The advantage of running a family-run business is the meticulous attention to detail for each product and with this customer-centric focus in mind, Bluerun is hoping to add a shop to the website. This will include items manufactured during the COVID Lockdown, when orders slowed down, such as mirrors, tables and clocks.

Across commercial or domestic



joinery service, Bluerun is happy to take enquiries for all jobs, large or small. The company has manufactured replacement casements for listed buildings, where the existing glass needed to be re-used and side sliding sash windows for listed buildings.

With all eyes on the 2050 UK Government net zero targets, Bluerun has implemented its own sustainable best practices through installing LED lights throughout the workshop, in place of fluorescent lighting.

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Atlantic Access Ltd are scaffolding erectors and hirers based in Liverpool and the North West. Providing safe, access equipment for a multitude of different jobs including roofing, bricklaying and much more, for industrial, domestic and commercial projects.

Maintaining a committed, skilled and loyal team, Atlantic Access Ltd offers a highly professional service and utilises its experienced and expert team of long serving employees, of 10 years plus. This has positioned the company with the industry knowledge to assist with varying sized projects and Atlantic Access Ltd has built a strong reputation for its high quality service, personable approach and competitive prices.

The company offers its services for all residential work, new build properties, demolition work and commercial. Some of its recent commercial projects include: Vinci IHP on Preston Royal Hospital, the Boohoo main office in Manchester for Hightown Construction, Grahams Liverpool flyovers demolition, Parkinson Construction on Oldham Royal Hospital and Salford Hospital, John Turners on Whiston Hospital, ongoing



Maintenance package for Daresbury Science Technology Park and ongoing works for the National Trust on Speke Hall and Chambre House in Liverpool.

If you would like to find out more, please see the details below:

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INTEGRASPEC® is your best choice of ICF to deliver

The Ballantine Building Solutions team has over 20 years experience as ICF Builders suppliers, Installers & Builders using ICF and have worked on many successful ICF projects.



ICF is based on hollow lightweight block components that lock together to provide a formwork system into which concrete is poured. The blocks are made from expanded polystyrene panels fixed together with plastic webs (reducing thermal bridging) to create a formwork to which horizontal and vertical steel reinforcements can be easily added for extra strength. Once braced, concrete can be poured into the

forms enabling fast construction one storey at a time.

The ICF walls as soon as built are waterproof even before the external finishes are applied, allowing internal work to commence sooner. This ensures for an incredibly fast & efficient construction that isn't impacted by adverse weather in the same way traditional masonry is. Cold temperatures do not affect progress.

With an average saving of between 25% to 30% in both cost & building time and low 'U' Values from 0.23W/m²degk down to 0.11W/m²degk – When all factors & benefits are taken into consideration, ICF becomes extremely competitive compared to both traditional building methods and lightweight framing.

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Case study



C40 Curaflex Doyma Gaskets

One of the UK leading installers of pre-insulated district heating systems, Vital Energi Utilities Ltd, use Doyma Curaflex C40 Gaskets to provide a water and air tight seal for all below ground building entries. The specialist installations can be subject to slight movement through expansion and contraction as the system heats and cools.

The Curaflex C40 Gasket is designed to accept the axial movement that may occur during the operation allowing Vital Energi to seal both the opening of the building

façade as well as the HDPE outer-casing.

Vital Energi's Managing Director, Ashley Walsh, noted, "This provides our installation with an excellent termination. It provides confidence both to ourselves and our clientele that we'll leave the fully installed works sealed from any moisture ingress while providing a product that has the flexibility and capability to work alongside our very complex pre-insulated products."

For more information visit: www.servicesealingsolutions.co.uk

Service Sealing Solutions Ltd – suppliers of DOYMA products



Service Sealing Solutions Ltd are the sole UK distributor of DOYMA products. Wherever services are installed through walls, ceilings or floors, penetrating water may cause damage to buildings. Lack of attention to the points of entry of pipes and cables into the building can have serious results: damp cellars, equipment damaged by water ingress and high repair costs. Service sealing systems ensure professional and perfect pipe sealing, thus presenting excellent preventative measures against structural damage.



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sales@servicesealingsolutions.co.uk

Service Sealing Solutions Ltd enters its sixth year of rapid success

Service Sealing Solutions Ltd is the sole UK distributor for the sealing industry's top manufacturers; DOYMA and HKD. It was when DOYMA granted Tina McAra, company director, the exclusive rights to distribute their products in the UK in August 2018, that led to the formation of Service Sealing Solutions Ltd.



making any maintenance easier to complete with little disruption. Service sealing systems also prevent structural damage because wherever service ducts are installed through walls, ceilings or floors, penetrating water may cause damage to buildings."

resources. The majority of the products distributed by the company are gaskets, which seal holes in basements and cellars. These mechanical fixing products are



a far superior version of expanding foam and are used by the commercial market in homes and buildings to guarantee excellence.

With seven years of experience as a Technical Sales Engineer for the previous UK DOYMA distributor in her skill set, Tina grabbed the opportunity to contact DOYMA in Germany to ask whether she could take on the distribution in the UK. DOYMA were pleased to hear this as no-one else in the UK had the knowledge about their products that Tina had, therefore, DOYMA granted Service Sealing Solutions Ltd exclusivity in the UK.

Demanding building types, such as power plants, large industrial plants, reservoirs or airports, often require highly specialised custom-made constructions. They place high



demands on the fact that building penetrations such as cables and pipe work, need to be permanently sealed. Through working with DOYMA, Service Sealing Solutions Ltd is able to provide bespoke sealing answers to many different problems.

In terms of new developments, DOYMA has recently released its new generation Curaflex Nova® gaskets – professional solutions for tradesman with uniquely safe installation. Providing tradesmen with professional gasket inserts, the new generation of Curaflex Nova® gasket inserts instantly solves sealing problems and is adaptable for multiple applications.

Service Sealing Solutions Ltd specialises in providing the best in German engineering to seal penetration points in walls and floors to permanently prevent any infiltration of gases and water into the building. The products are designed to solve all watertight duct sealing requirements and prevent against structural damage.



With other distributors providing similar products, what makes Service Sealing Solutions Ltd stand out? Because it only uses the very best in German engineering, the company's expertise, experience and willingness to go the extra mile for every customer means it really doesn't have to

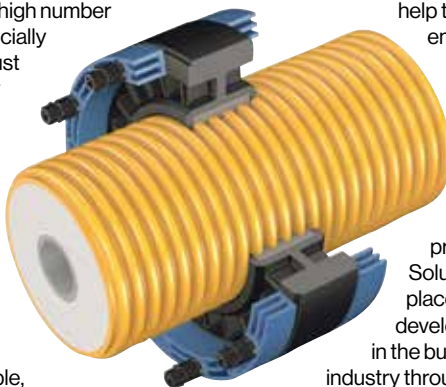
Tina commented, "We provide DOYMA's products mostly to builders of commercial properties and we have provided for many of the large projects in London including HS2 and Kings Cross. Quite often services and electrics are installed underground and therefore have to have guaranteed water tightness."

DOYMA has the expertise and experience of over 50 years to develop and produce the best solution for your building or project. State-of-the-art design and manufacturing methods as well as professional simulation methods will help to



work all that hard to remain competitive. The aforementioned 25 year guarantee is a very important aspect of all its services, and cannot be matched by competitors. Combine that with its years of experience in the industry which allows them to consistently deliver on every level to the customers exact requirements means they are a distributor you can thoroughly trust.

Based out of Shropshire, Service Sealing Solutions Ltd has a UK wide customer base and works hard to distribute a high number of different products especially for DOYMA. Marked not just a distributor, the company also covers every aspect of a project, required by the contractor. Tina continued, "When you are planning a build, it is easy to forget the little details that make sure your building stands the test of time. Correct sealing can help keep the building's utilities accessible,



ensure safety when using special constructions, and all with an unrivalled 25 year warranty. Being the sole UK distributor for these products, Service Sealing Solutions Ltd is perfectly placed to guide contractors, developers or anyone involved in the building and construction industry through the relevant

Contact
T 01952 510050
sales@servicesealingsolutions.co.uk
www.servicesealingsolutions.co.uk



Service Sealing Solutions Ltd

Hebridean housebuilder specifying SterlingOSB Zero on sustainability grounds

Situated seven degrees west of the Greenwich Meridian, and exposed to some of the harshest weather conditions anywhere in the British Isles, the Hebrides present a challenging location for building projects, prompting a recently-established building company to adopt offsite construction technologies which make full use of the technical and environmental benefits of West Fraser's SterlingOSB Zero.

70-22' Systems was established in 2022 by three business partners whose experience encapsulates architecture, education and manufacturing amongst other skills, and who decided to develop their own highly-insulated, modular timber building system. Growing organically by providing bespoke packages to clients of parent business, Fraser Architecture, 70-22' has already delivered properties on the Outer Hebrides; and has more than half a dozen schemes of different sizes in the pipeline for the coming year.

The trademarked system has been designed specifically to avoid the need for craneage, due to the inaccessibility of many sites, while the cellular component modules take the form of wall blocks, lintels and beams to span larger openings. The SterlingOSB Zero is CNC machined and assembled in the workshop before being filled with Warmcel recycled paper insulation.

Significantly, the 70-22' Systems design personnel were determined from the outset to utilise the West Fraser board because of its formaldehyde free formulation and the fact the material is manufactured in the North of

Scotland, using mainly locally sourced softwood from well managed forests.

70-22' Systems' co-founder and Commercial Director, Alex Durie, commented, "We use West Fraser's SterlingOSB Zero to construct our ecological building components, that are prefabricated in our workshop utilising CNC technology to achieve 0.1mm tolerances for each beam and block. It is the ideal material to use as the shell for our components, which are then filled with recycled insulation to achieve a building system that can achieve market leading thermal performance, with a U-value of 0.1 W/m²k, and excellent air-tightness, while maintaining a breathable floor, wall and roof construction. The added bonus of being formaldehyde-free, OSB enables us to build ecologically, utilising timber grown and processed in Scotland as we aim to limit the travel miles in each of our builds. The OSB produced by West Fraser has performed very well in our structural testing, with our system proving to be 1.6 times stronger than a traditional timber frame – and as our system arrives on-site as a component that is pre-fabricated, pre-insulated and designed for manual handling, it is much quicker to assemble."

Not only do all of the 70-22' Systems structures exceed the thermal requirements of Section 6 to the Building



Standards, Scotland, but can also be delivered as a Passivhaus compliant solution where the client or planning consent demand it. In the medium to long term, the business is building a pattern book of standard house types and has plans to establish a pilot plant on the mainland. The company will also be showcasing its system at the Self-Build and Renovation exhibition in Aviemore this autumn.

SterlingOSB Zero is available in a range of sizes and thicknesses up to 22mm as well as a T&G version ideal for flooring and decking applications. The high performance panel product, free of added formaldehyde, has also earned BBA approval and meets the requirements of NHBC Technical.

As is always the case, West Fraser's experienced technical team is available to aid with product specification, while downloadable data sheets are available at: <https://uk.westfraser.com>

For further information, call 01786 812921 or visit: <https://uk.westfraser.com>





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Innovative Base Screens speeding up construction programmes across the country

Base Structures are announcing a new offering from its tensile fabric experts, Temporary Weatherproof Screening, promising to speed up building programmes and mitigate against weather delays on site.



provide a bespoke solution to ease the installation, movement and removal of the screens at various points in the building programme at specific fixing points. This means that there's no requirement for scaffolding, minimising any potential for damage to works that have

are well placed to help teams find solutions to keep building programmes on track despite the rainfall and weather challenges we've seen this springtime."

Base Screens are a new product that provide a unique and efficient solution for weatherproofing requirements on construction sites. Quick to install and demount, they are customisable to meet specific site conditions, which presents contractors with the chance to remove conventional cladding from a programme's critical path. This accelerates the construction schedule and allow teams to progress with fit out works, staying ahead of any delays that the changing climate may bring.



Base Screens are made of PVC fabric that can cover large areas. They're durable, easy to clean, fire retardant and a low-risk option, offering a less labour-intensive and safer solution than other more traditional weatherproofing options.

Base Structures have produced case studies of their work in this area, which can be found via the links below:

- ▲ Project Resilience - Base Structures
- ▲ Engineered Temporary Weather Screens
- ▲ Dublin Terminal 2 Temporary Works Screens

They have also produced a blog post detailing some of the [benefits of adding weatherproof temporary screens](#) to your next building project.

Andy Traynor, Director at Base Structures and Head of Installations and Health & Safety, said, "Our in-house expertise and engineering capabilities mean that we can design, manufacture and erect temporary weatherproof screens very quickly and to fit an existing structure, safeguarding construction works from external elements.

already been completed.

"We're delighted to have been able to offer this innovative solution to several happy clients across the country, and with an increase in this kind of work, Base Structures



For more information, case studies, images or quotes, please contact: mail@basestructures.com or visit: www.basestructures.com/contact-us

"By installing screens early in a project, we can

Revo Hand-Arm Vibration Meter

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Measurements are accurate and in accordance with Regulations



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FD120 fire door test at 140 minutes!



Founded in 2014, Pandor is a Bespoke Door and Panel Manufacturer with over 40 years' experience in the door and panel industry.

Whether you're looking for or in need of a unique, challenging, different or normal requirement, Pandor has excellent customer service, expert know-how and industry experience to deliver exactly to your specifications.

Pandor's extensive portfolio includes fire doors and door sets – certified to FD30/FD60/FD90/FD120 as required, acoustic doors, joinery and panelling, each made to your sizes and finished either clear or in paint as required. Each product comes manufactured to superlative quality with the upmost attention to detail and delivered to you in the shortest lead times.

Manufacturing out of its factory in Sittingbourne, Kent,

Pandor has high-quality state of the art machinery helping to achieve the best standard of manufacturing. From the Holzher 5 axis CNC twin bed router to heavy duty sanding machines, veneer presses and lipping and edge banding technology, Pandor can achieve maximum throughput, competitive lead times and accurate, high-quality standards to rival any large-scale competitor.

Quality, Service, more Quality and more Service.

Proud manufacturers of BM TRADA Q Mark Scheme Fire doors and doorsets.

For more information, please see below:
T 020 82797611
mike@pandor.ltd
pandorltd@hotmail.com
<https://pandor.ltd>

GREAT BRITISH LIGHTING
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Global lighting manufacturer with over 100 years of experience

Great British Lighting is a specialist lighting manufacturer with a reputation and portfolio established over the last 100 years. Our work is primarily in the manufacture of decorative light fittings for Public Buildings, Cathedral, Museums and Theatres and International Theme Parks: from one-off reproductions to large scale manufacture. All items are manufactured and assembled at their premises in Fleetwood, Lancashire.

With an archive of over 35,000 products, drawings and specifications, Great British Lighting can reproduce almost any luminaire from the last century and earlier, employing the latest CAD technology coupled with traditional craft skills. Great British Lighting also offers bespoke metalwork service producing high quality items such as balustrade, ecclesiastical fittings and door furniture.

Great British Lighting offer a comprehensive cleaning and restoration service, working sensitively on conservation projects to bring lighting and metalwork back to its original glory.

Recently completed the refurbishment of existing lighting at Rochdale Town Hall.



Please visit www.greatbritishlighting.co.uk

✉ sales@greatbritishlighting.co.uk | ☎ 01253 873503

Bog Oak: Rarer than diamonds

Havwoods recently introduced new Bog Oak patterns to its Handgrade Premier collection. Born from ancient trees that once thrived in the valleys of Europe and have subsequently fallen into peat bogs, this wood has been preserved and transformed over centuries.

The range of striking new patterns includes Chevron, Herringbone, Versailles, Plank and Wide Plank, with each board bearing the weight of history in its every grain. Ranging from 3,000 to 8,000 years old, the darker the Bog Oak, the older the tree. The wood's deep, ebony hues are complemented by intricate patterns, a testament to the passage of time and the resilience of nature – it is truly wood that tells a story.

Ranging up to 4m in length and up to nearly half a metre in width for the oversize board, Handgrade Premier are specialised planks which are produced to order. Offering a high quality, high performance, pre-finished engineered board of multi-layered ply construction, the collection is designed for modern living in mind. The boards are FSC® (FSC-COO9500) Certified Timber, with the entire range being suitable for underfloor heating.

info@havwoods.com
www.havwoods.com/uk



Milled PurePanel 3D

Havwoods' Milled PurePanel 3D panels offer 3-dimensional deep textures, geometric raised surfaces and organic shapes.

There are 13 designs within the range and the applications include furniture, cabinetry, wall and ceiling coverings and interior doors.

Ask us for more details.

info@havwoods.com
01524 737000
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BespokeCrete



- we can bring our customers design concepts to reality. At BespokeCrete - we have a range of stunning furniture or we can create a completely bespoke design of your choosing.

Microcement is a thin 2-3mm cement and resin hybrid coating that can be applied to a multitude of surfaces. It is great for inside or outside use, creating stunning furniture

BespokeCrete creates custom and bespoke furniture, outdoor kitchens, kitchen worktops, waterfall islands, patio sets, indoor table & bench sets, coffee tables, baths, sinks and so much more. Every item is custom built, by hand - using local materials and trades, in our Norfolk workshop. BespokeCrete crafts furniture from wood or steel - that is coated in our full Microcement system, over several days - creating a strong and fully waterproof surface that is heat, stain and scratch resist.

from wood and coating it in Microcement - creating a personal and unique piece of art/ furniture.

Bespokecrete work with designers, architects, contractors and the general public with a large proportion of our work being completely bespoke. Microcement is available in a multitude of colours - now with the option to colour match to RAL, Farrow & Ball, Dulux, Little Green, Fired Earth and Pantone colours.

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BespokeCrete creates beautiful, elegant and unique furniture, kitchen worktops, outside kitchens, sinks, baths and totally bespoke items that are made to order. Microcement is applied by hand and consists of primers, base coats, mesh, Microcement coats and sealers - creating a fully waterproof, stain, scratch and heat resistant surface. Perfect for indoor and outdoor use.



Please feel free to send us a message so we can make your design idea a reality.
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