

## Building & Construction Review



### Simple on-site solutions to treat concrete wash water & wastewater

Kelly Tanks offers innovative and cost-effective concrete washout and water treatment solutions for the construction industry. Its well-established CWS Concrete Washout is the product of choice for washing off concrete wagons and equipment. Following the CWS' success and increased demand, Kelly Tanks has consistently released new products each year to help ensure safe and compliant waste treatment on building sites across the UK.



"We're focused on innovating new solutions and continuous improvement on our existing products," said Kelly Bryant, Director. "Our products are designed to make it as simple as possible for sites to benefit from efficient waste water recycling or disposal. Other products on the market can be complicated and create extra problems for the user, so we have designed ours to alleviate this and make it easy for sites to do the right thing."

Building on the triumphs of its systems for concrete washout and the separation of solids and liquids in wastewater, Kelly Tanks have launched a range of Modular Dosing Units. Used for monitoring and controlling pH levels and/or providing proportional chemical dosing, their unique design means the units can be fitted to most tanks and positioned as required without the need for large, specialised equipment.

It's this admirable work ethic which has

helped Kelly Tanks build its reputation over the last several years, and after the construction industry experienced some uncertain weeks at the beginning of the COVID-19 pandemic, Kelly Tanks is now more in demand than ever. "Things have become extremely busy, not only with returning customers coming back but a lot of new customers as well. We've upped fabrication to keep up with the demand for our products, putting us in a really good position to supply our customers with the great products and services they have come to expect from us."

If you'd like to find out more information on Kelly Tanks' full range of products, head to the website or get in touch using the contact details below.

T 01889 508944  
[info@kellytanks.co.uk](mailto:info@kellytanks.co.uk)  
[www.kellytanks.co.uk](http://www.kellytanks.co.uk)

### When a water company supplies water...they don't want it back!

Protect contamination of the drinking water supply - whilst boosting water pressure where inadequate - with Arrow Valves "Midi-Break" Break Tank and Booster set.

Providing Fluid Category 5 backflow protection, "Midi-Break" is packaged in a compact stainless-steel cabinet for neat and hygienic installation - ideal in kitchens and bathrooms.

Applications -

- ▲ Healthcare (baths with shower hoses, clothes and dishwashing machines)
- ▲ Bidet washing
- ▲ Sinks with hoses
- ▲ Non-domestic Hose Union taps

Three models offer differing flow characteristics; Midi-1 is commonly specified for a shower, Midi-2A for a single tap and Midi-3A for washdown. Optional accessories aid installation and boost potential in application -

Wall mounting bracket - for ease of installation.

Wall cover - insulated GRP enclosure, ideal for use in external applications (brackets required).

Drip tray - catches water discharged through the weir if inlet valve is faulty or overflow blocked.

Frost protection - factory fitted frost



protection system for use in unheated areas (wall cover required).

Volt-free BMS alarm - activates fault lamp and BMS relay if tank water level is too high or low, or if there is a low-pressure fault.

Automatic tank purge system - assists with legionella control where the unit is infrequently used or in a warm environment. Replenishes water in the tank and runs pump for a few seconds every day.

"Midi-Break" is supplied factory tested, ready for wall mounting.

For higher flow rates and/or demand see "Boost-a-Break".

[www.arrowvalves.co.uk](http://www.arrowvalves.co.uk)



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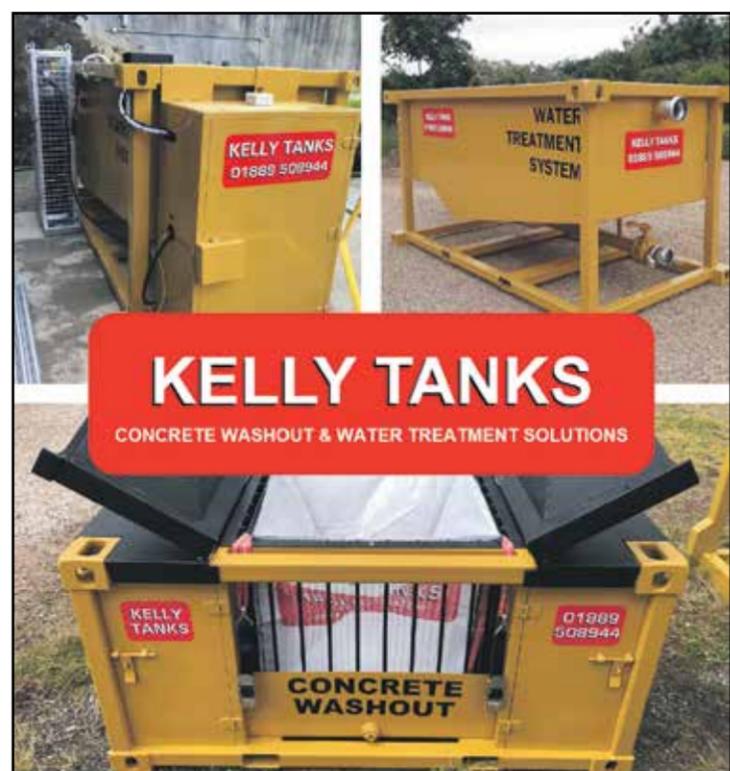
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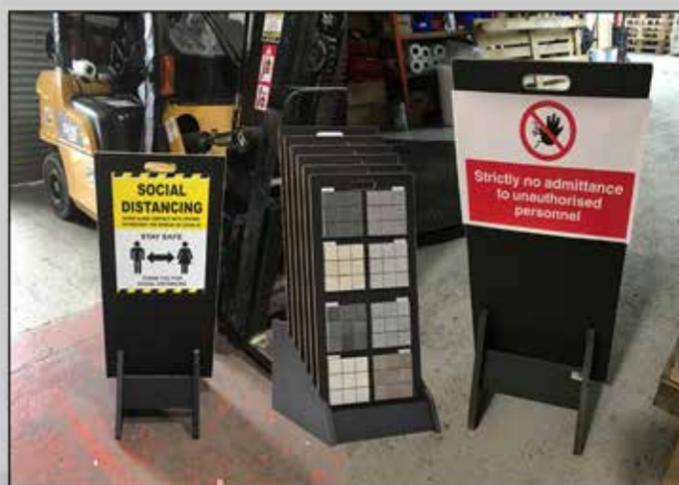
## KELLY TANKS

CONCRETE WASHOUT & WATER TREATMENT SOLUTIONS

**Concrete Washouts** Simple solutions for washing off concrete wagon chutes and equipment

**Water Treatment** Ideal onsite equipment, Lamella clarifiers, Sediment Removal, Flocculation & pH Control systems

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[www.kellytanks.co.uk](http://www.kellytanks.co.uk) or call 01889 508944



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# The height of excellence

Excellence isn't about maximum profits. It's not about winning awards. For Direct Hoist, the commitment to excellence extends onto every level – just like the firm's wide range of hoists and lifting platforms.

Direct Hoist's commitment to excellence means keeping up with customer demands and accurately assessing not just what's needed now but what the site may also require many months down the line.

Company founder Rob Wilson has been in the construction hoist industry for over 30 years, and uses his vast experience to preempt clients' requirements.

Rob says, "We offer free advice, site surveys and expert project planning. We establish what's essential, and what may be wanted in three or six months' time. Customers' needs often change, and it's more cost-effective for us to provide the right equipment from day one.

"We know what, where, when and how big, and we advise accordingly. Our know-how ensures we get it right every time."

Thanks to Direct Hoist's fleet of over 40 hoists, there's a tool for every task. From scaffold hoists to gantry hoists, from tile hoists to 5x2.9m lifting platforms, Direct Hoist has modern, highly-maintained hoists always available for hire.

Direct Hoist also offers sales and servicing, specialising in market-leading GEDA equipment. "It's the best machinery available from the best manufacturer," comments Rob. "GEDA is a traditional German brand that's been an industry leader for 90 years. It's the finest on the market for quality and reliability."



Modern construction techniques are calling for bigger and ever more specialised products, and health-and-safety regulations mean you need good reason not to have a hoist on site; the days of clambering up and down ladders are long gone. Hoist manufacturers are working hard to keep up with demand, allowing items such as entire prefabricated bathroom pods to be lifted into position.

"It's all about the speed of build, and the most effective solutions to reduce costs," says Rob.

He continues, "Construction hoists are part of a fast-moving industry, and we're one of the best in the game. These days I spend my time running the company rather than at the pointy end, so I can ensure Direct Hoist is at the forefront. We're investing in our website – customers can see what's new, get quotes and buy online – and we're committed to staff training and development."

"We offer free advice, site surveys and expert project planning"

Direct Hoist's fully-skilled workforce includes professional hoist technicians and qualified mechanical engineers. Rob realises it's critical for his team to be nurtured, and the firm even has its own fast-track scheme for NVQs.

Although Direct Hoist has the infrastructure of a big business, Rob ensures its ethics and client relationships retain a personal touch. He says, "We bend over backwards to help them; that's why they keep coming back. They trust us to dot the Is and cross all the Ts."

Excellence, for Direct Hoist, is about saving money instead of cutting costs; it's about insisting on first-rate products and services to provide only the best for customers.

Contact  
T +44 (0)1724 781647  
[www.directhoist.co.uk](http://www.directhoist.co.uk)

## Artizan Lifestyle – Renewable Energy and Stunning Fires



Established fourteen years ago, Artizan Lifestyle specialises in wood, gas or electric fires and renewable energy solutions. Boasting a small but highly skilled team, they can assist in the design and installation of beautiful fireplaces for both small and large projects. Working with residential and commercial customers, Artizan Lifestyle uses creativity to constantly update and develop its extensive portfolio.

With a large showroom in Wokingham, Artizan Lifestyle has a team of experienced designers to help realise your ideas, bringing your dreams to life through hand drawn sketches and computer-generated images to make sure you receive exactly what you've envisaged. Furthermore, Artizan Lifestyle's teams of skilled and professional installers help to ensure you are more than happy with the end result.

Supplying to private clients, developers and working with Architects, Developers and Interior Designers, Artizan Lifestyle's fireplaces provide an aesthetically appealing and welcoming

gathering place in a home or commercial establishment, offering warmth and visual allure to encourage conversation and relaxation for everyone in the vicinity.

"As well as installations of wood burning and gas burning fires, we are also seeing increasing growth in the renewable energy side of the company," said Lynda Taylor, Sales Director. "It has been growing steadily over the years and in the last 12 months it has seen a significant jump in popularity. We're constantly evolving to keep up with any governmental changes. The pressure is on across the World to be using renewable energy, so this area is only going to continue growing and become more prominent." These renewable energies include ground source and air source heat pumps, and domestic and commercial biomass systems.

As a specialist in tailored domestic heat pump systems, Artizan Lifestyle uses only the best components and technology in the design and installation of heat pump systems, and every product comes with a full manufacturer's warranty. Heat pumps are recognised as a renewable technology by both UK and EU Governments, providing an effective and



energy-efficient alternative to traditional heating systems. Artizan Lifestyle offers the latest technology to heat your home and hot water using energy absorbed from the outdoor air (air source) or ground (ground source). These heat

After installing its first biomass boiler in 2008, the company has seen an increasing number of projects completed and accredited for RHI payments.



Recently, two of Artizan Lifestyle's designer fireplace manufacturers, Kalfire and Focus Fires, released two fireplaces which are truly ahead of the game, featuring a holographic electric flame that looks like the real thing. "Because new homes are so airtight now, you often don't need the heat of a real fire, but that doesn't mean you should miss out on their aesthetic appeal. These two fires give you the beautiful image of a real burning fire, but without the maintenance required or flue.

pump and biomass installations are supported by Government incentives and provide an economically viable domestic heating solution.

"I saw the E-Focus fireplace at the 100% Design show last year, and people were stopping in their tracks to look at it. That's how stunning they are, and they're sure to be a great hit as people invest in their homes and other spaces."

Artizan Lifestyle is an accredited MCS, HETAS, Gas Safe, Fgas and OFTEC installer, with many years' experience in the installation of solid fuel (wood and coal) heating systems, so the transition to biomass was a natural process.

For more information, see the details below.

T 01344 356900  
[office@artizanlifestyle.com](mailto:office@artizanlifestyle.com)  
[www.artizanlifestyle.com](http://www.artizanlifestyle.com)



# Sewage problems? Allerton is your answer



Allerton UK is a leading off mains drainage company, covering sales, servicing, commissioning and repairs of all types of septic tanks, sewage treatment plants, sewage pump stations and soakaways. Working across the East Midlands and beyond, Allerton boasts a team of dedicated and experienced workers, all trained with British Water to ensure they are in the best position to properly assess a situation and correct it.

Established in 1974 by Jon Allerton, the company was originally concerned with draining farmers' fields, after the government provided grants to farmers with the aim to get the country drained. Once this was completed in the late 1980s, Allerton needed a new direction, and so began its work in off mains drainage.

As well as its sewage treatment plants and sewage pump stations which are made on the premises, Allerton also makes the ConSept. This

the treated water to the surface, disposing of the treated effluent is a lot better than other methods.

The ConSept uses the existing septic tank, removing the need to install a heavy plant or new tank, and it is quick to install to save time, money and disruption. The tank has no moving parts inside, and it maintains the water at the correct level, keeping your drains clear right up to the house. Moreover, it is manufactured using high grade composite materials and non-ferrous components, meaning the ConSept does not corrode, offering a long and trouble-free life.



Installation inside your existing septic tank also means that the ConSept cannot be seen or heard, and the air blower remains outside the tank for easy maintenance. The equipment also has low maintenance costs, requiring servicing just once a year and desludging and emptying



converts septic tanks into sewage treatment plants, and can be fitted without excavations, apart from the shallow cable and air pipe trenches. This means customers can save around £3,000+VAT by avoiding excavators on site. What's more, because the ConSept lifts

once every two years. While the local desludger can empty the tank or sewage plant, Allerton will of course service and maintain all their own equipment and that all other manufactures units too, in fact servicing, repairs and surveys of sewage treatment plants is a major part of



their work. The final effluent is discharged into a watercourse or soakaway, and installation and commissioning by Allerton's British Water Accredited engineers is included in the package.

Not only does Allerton install high quality units, the company also focuses on continual service of the equipment. This means that units Allerton has made and installed, of which there are over 1,200, are all still working efficiently across the country. Indeed, Allerton often receives regular customer feedback which emphasises how happy they are with the service they have received.

"In particular, we make sure everything is explained to the customer from the beginning and throughout the process, and we always do what we say we will," said Jon Allerton, Director. "Minor problems are sorted out by engineers on site, and all the initial customer worries are dealt with in advance. We offer initial onsite advice, help with all paperwork such as planning and Environmental Agency permits, installation and ongoing servicing, including repairs. Every aspect of what we do is to please the customer.

"We used to manufacture our own sewage treatment plants, until the EU decided they

needed to be tested for two years in Germany. However, the experience we have of making a unit and then constantly improving it becomes second nature to everything we do. Now, we use WPL, one of the top two or three manufacturers of sewage plants, and they listen to us when we suggest improvements," Jon explained.

In line with its ongoing expansion, Allerton has been taking on more staff and training them all to British Water standards. "I'm 78 soon, and



the company has been recently restructured and is now Allerton Bradley Ltd. Jason Bradley has been a large shareholder for several years, and has worked for the company for most of his life. His knowledge of all things sewage is vast, and at 36, he ensures the company can look forward to another 50 years of good service, and pleasing people!"

Indeed, despite the current setbacks caused by the COVID-19 pandemic, Allerton is continuing to expand, thanks to the real and immediate need of the company's services. Whether it's a school, hospital, factory or housing estate, Allerton's capabilities are helping people across the country save money, maintain their compliance with regulators, and ultimately protect the environment.

If you would like to find out more information on everything Allerton does, head to the website or get in touch using the contact details below.

T 0800 328 5492 / 01529 305 757  
[www.allertonuk.com](http://www.allertonuk.com)

## J & P Building Systems

J & P Building Systems is pleased to announce that its popular ISOPRO® and ISOMAXX® range of thermally-isolated balcony connection products have recently been issued with a European Technical Assessment (ETA 17/0466). The document provides verification by all European building authorities of the structural capabilities and security of ISOPRO® and ISOMAXX® under fire conditions.

ISOPRO® and ISOMAXX® products are typically

used to provide connections between the building structure and exterior concrete balconies, but are also used to support walkways and other exterior concrete features.

In addition to providing secure and reliable connections, ISOPRO® and ISOMAXX® also prevent thermal bridging at the connection points, which improves the thermal efficiency of the building envelope and so helps prevent heat loss, condensation, and mould growth in

interior rooms. A copy of the European Technical Assessment (ETA 17/0466) and details covering the technical performance of the full range of ISOPRO® and ISOMAXX® thermally insulated balcony connections can be downloaded from [www.jp-uk.com](http://www.jp-uk.com).

**As always, J&P's friendly sales and technical teams are available to give advice on your project, and can be reached at [enquiries@jp-uk.com](mailto:enquiries@jp-uk.com) or by telephone at 01844 215200.**



## Architectural hardware at its best



Founded in 2010, Zoo Hardware has grown rapidly over the last ten years and now features a team of over 40 expert staff members.

One of the company's notable new ranges is the Flexifire intumescent ironmongery protection products, which add an extra level of protection in the event of a fire. These are ultra-thin and flexible high performance intumescent sheets which feature high levels of expansion and insulation, preventing heat transfer on ironmongery rebated into timber doors. These sheets are safe to handle, with no fibres or irritants, and are only 1-2mm thick, ensuring minimal rebating is required. What's more, Flexifire products are flexible and clean to work with, with the ability to bend without cracking. They are also easy to cut into shape with household scissors and can be provided with or without adhesive backing. Finally, Flexifire intumescent sheets are unaffected by moisture, humidity, atmospheric pollution, and other common industrial and household chemical substances.

If you would like to find out more information on Zoo Hardware's full range of products, head to the website or get in touch using the contact details below.

T 01228 672900  
[sales@zoo-hardware.co.uk](mailto:sales@zoo-hardware.co.uk)  
[www.zoohardware.co.uk](http://www.zoohardware.co.uk)



**Zoo Architectural Hardware** | Architectural Products inspired by design

Designers and suppliers of architectural door hardware including door handles, knobs, locks, hinges and more.

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For more information call +44 (0) 1228 672900 or visit [www.zoohardware.co.uk](http://www.zoohardware.co.uk)

# The Bulmer Brick & Tile Company: Experts in everything brick



Building & Construction Review are proud to present the Bulmer Brick & Tile Company with our prestigious **Lifetime Achievement Award**. The company are renowned for being one of the top choices by UK clients for all aspects of brickmaking, and as such we felt they more than deserving of one of our top Awards.

Bulmer Brick & Tile is a small family brickmaking business, operating on a site that has been making bricks since as far back as the Middle Ages. The company has been digging top quality London clay from their seams since the Tudor times, and have since perfected every aspect of the process.

Bulmer works with many different types of clients, and specialise in large scale projects for historical sites such as the National Trust, English Heritage and Historic Royal Palaces. They even supplied the striking brick arches for the award



winning refurbishment at St Pancras Station. In addition to these high profile clients, Bulmer also work with individuals and private clients, guaranteeing the same first rate service for all clients.

All of Bulmer's bricks are meticulously handmade using traditional making and drying techniques. The bricks are then placed into a coal fired down draught kiln which takes 3 days to fire. There are many advantages to using a downdraft kiln, with the high fuel efficiency a particular drawing point. Many historic buildings have their own unique brick size and shapes, meaning most facing bricks are made bespoke to the building in question. In addition to fuel efficiency, Bulmer's brick making process ensures the bricks come out with a distinctive finish that will blend with the rest of the building.

Bulmer always keep a stock of their standard sizes, but most historic buildings have a character of their own, which can only be preserved by providing the correct size brick in the right range of colours that will successfully blend with the original. Therefore, the company work closely with builders, architects and surveyors where



possible, to ensure that the bricks they produce are right for the building and meet their clients' requirements.

At Bulmer, they manufacture a large number of different products with different varieties. As well as producing purpose made chimney bricks, terracotta for garden use, mullions, jambs, floor bricks, pammments, decorative plaques, garden edgings and many different rubbing blocks, they also manufacture facings and specials of almost any texture. The vast assortment includes coarse veined and smooth, boasting 150 different sizes and over 5,000 different shapes, including plinths, squints and copings.

Bricks can be cut into plinths, squints or more according to client needs from Bulmer's own purpose built brick cutting workshop, where clients can even bring their own bricks for cutting and bonding.

Additionally, the company are able to make and supply many other extensive brick and tile designs. For instance, they



are stockists of Singleton Birch Natural Hydraulic Limes and Lime Putty. Their Hydraulic lime is available in NHL2, NHL3.5 and NHL5 strengths, and is supplied in 25kg bags or in bulk tonne bags. Lime putty is also available in 24kg (30l) tubs. Not only that, but Bulmer also stock specially-made fine lime putty for pointing fully fine gauged arch work.

One of Bulmer's specialisms is that they can recreate beautiful Victorian or Tudor chimneys from samples or drawings alone, having also repaired and reproduced chimneys at historic sites such as Hampton Court, Helmingham Hall, Oxborough Hall and St Osyth Priory.

Many of England's historic churches, cottages, dairies, and hallways boasted a beautiful pink hued clay brick floor, made typically from Suffolk Floor Bricks. Unfortunately these are no longer in production.

Thankfully Bulmer are able to use their expert skill to reproduce this unique and stylish flooring. As opposed to the usual imported floor tiles, which are often thin and easily worn, Bulmer's handmade clay flooring is made with a 'double struck' finish for a smooth surface and pink shade.

Offering a range of services, Bulmer are also highly recommended consultants, offering consultancy services on anything brick related. They can also carry out site assessments, brick surveys and write reports to Conservation Officers, English Heritage, Local Councils and other entities.

The company are also committed to providing an outstanding service to their

clients; the Bulmer Brick and Tile Company Ltd go to great lengths to ensure that no matter the application, each client is getting the most out of their brick solution. From the preliminary selection through to quotation and commissioning, you are guaranteed a committed, proficient, safe, secure and personal support service.

If you would like to get in touch with the team at Bulmer Brick and Tile Company, contact them on the number listed below. Alternatively, if you'd like to get answers to any of your brick or tile related queries, feel free to email them, or to view an extensive range of their services, visit their website.

**Contact**  
T +44 (0)1787 269232  
bbt@bulmerbrickandtile.co.uk  
www.bulmerbrickandtile.co.uk



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[nuiebathrooms.com](http://nuiebathrooms.com)

# Harlequin Floors

Harlequin is the world leader in advanced technology floors for the performing arts. Established as the industry choice for architects, building contractors and the world's most prestigious dance and performing arts companies, Harlequin's experience and reputation are founded on the design, manufacture and supply of a range of high quality portable and permanent sprung and vinyl floors, ballet barres and mirrors for dance studios and performance spaces. Forty years after its creation, Harlequin remains as global leader in

its field with offices in Europe, The Americas and Asia Pacific.

Specifying the correct dance floor makes an important contribution to the safe performance of dancers without the risk of slips and falls or longer-term stress injuries. A good dance floor instils confidence in dancers to give full expression to their creativity, safe in the knowledge the dance floor will offer a consistent response. Harlequin Floors have developed floors specifically for dance, offering

the exact requirements needed for varying genres of dance, which commercial grade, industrial and sports floors cannot.

Research in recent years has identified a correlation between the consistency of dance floors and injuries incurred by dancers. When specifying a floor for dance, using general flooring or sports floor standards will not ensure the right floor is installed. Only a floor developed specifically for dance will do. There have been some high profile



examples where floors have had to be replaced by a dance company after the building is complete because the floor was not considered fit for purpose by the dancers using it.

For all your performance floor needs, please contact our technical team:

T +44 (0)1892 514888  
[enquiries@harlequinfloors.com](mailto:enquiries@harlequinfloors.com)  
[www.harlequinfloors.com](http://www.harlequinfloors.com)



## FloorStak: A unique levelling product for temporary flooring



FloorStak is the brand name for a range of products aimed originally at the temporary structures market, though the innovative concepts involved have helped the company to find interesting applications in more conventional building projects.

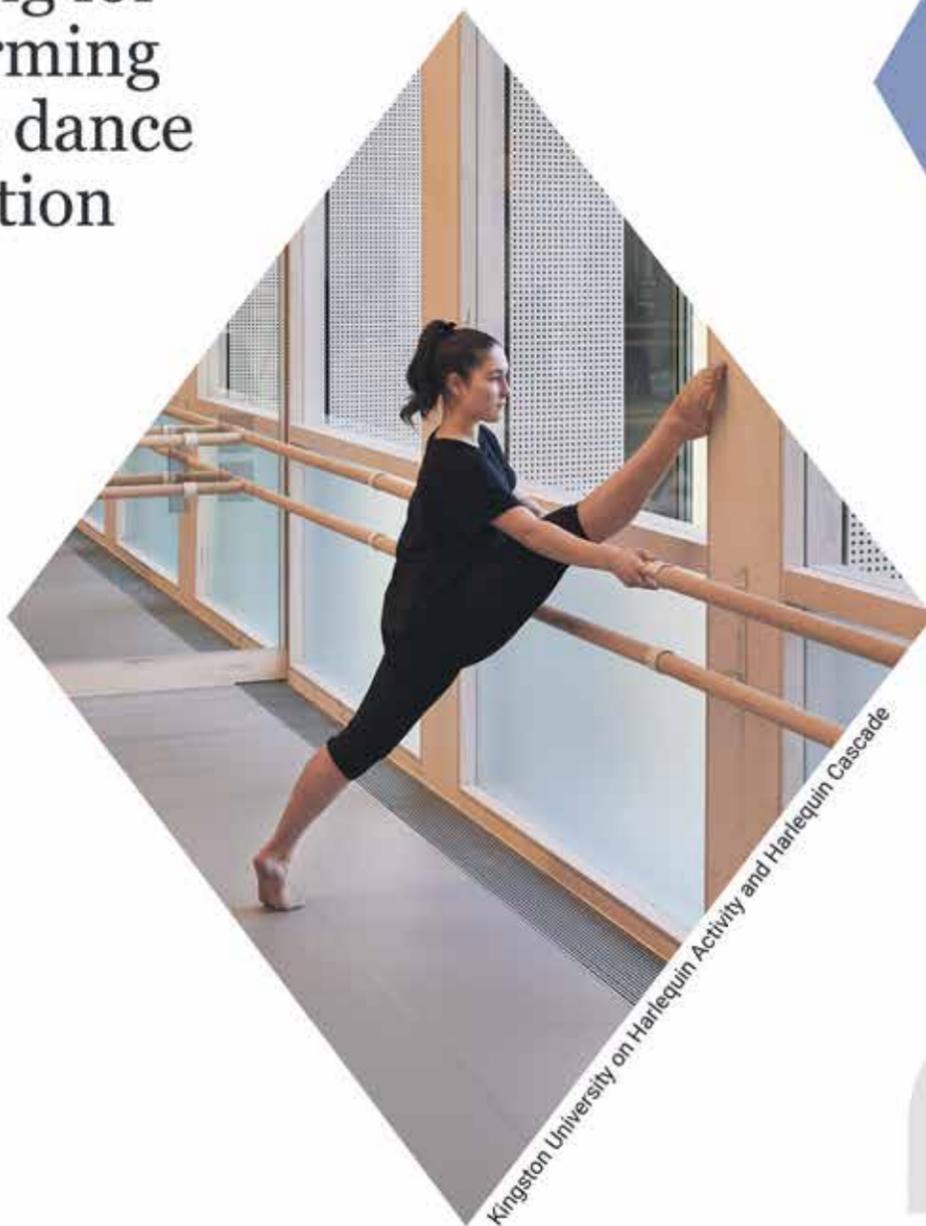
The range includes support and levelling systems for structures and floors, adjustable balustrading, modular steps and height variable access ramps. The design concept for all products stresses safety and reliability combined with ease of installation – critical factors in the 'Event Industry' applications where FloorStak products are extensively used.

These attributes have also helped FloorStak to find favour in other, less obvious settings. A recent project involved the provision of an elevated structural base for the Rugby Clubhouse at Chartres in France, which is situated on the flood plain of the Eure River. The proximity to archaeological excavations of the former Roman settlement meant that conventional groundwork footings were not permitted. Other venues such as Liverpool FC (Anfield) and Chelsea FC have benefitted from FloorStak in de-mountable platforms for disabled spectators, and further afield, supporting the elevated walkway for an Olympic size swimming pool in Taiwan.

The team at FloorStak are confident that their patented and 'TUV certified' products will find many more interesting applications.

Contact  
 T +44 (0)121 526 6060  
[info@floorstak.com](mailto:info@floorstak.com)  
[www.floorstak.com](http://www.floorstak.com)

## Professional flooring for performing arts & dance education



Kingston University on Harlequin Activity and Harlequin Cascade



Dance

## The world performs on Harlequin floors

Professional dancers can spend 6-8 hours a day working in a dance studio, meaning it is essential to specify the correct dance floor to reduce risk of slips and falls or longer-term stress injuries.

Established as the industry choice for architects, building contractors and the world's most prestigious dance and performing arts companies, Harlequin's experience and reputation are founded on the design, manufacture, supply and installation of a range of high quality portable and permanent sprung and vinyl floors, ballet barres and mirrors for dance studios and performance spaces.

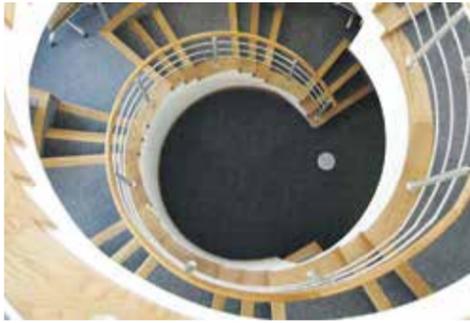
If you are interested in booking a CPD please contact [cpd@harlequinfloors.com](mailto:cpd@harlequinfloors.com)

+44 (0) 1892 514 888 [architects@harlequinfloors.com](mailto:architects@harlequinfloors.com)

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# BCAL Consulting



BCAL Consulting is a Structural and Civil Engineering practice based in Wellingborough, Northamptonshire. It was established in 1983 and has expanded to include very successful Principle

Designer and CDM adviser services. BCAL Consulting has the skills and organisation to lead projects from inception to completion. We advise on all stages of the construction engineering process, from pre-acquisition assessments to post occupancy. We work on projects throughout the country and are situated in an ideal geographical position to be able to travel to sites easily.

Our experience has enabled us to develop a clear objective to provide efficient and well-engineered design solutions within a framework of effective cost control, with an uncompromising commitment to quality and service. We take pride in the fact that a significant portion of our work is repeat business from satisfied clients, or

recommendations from fellow professionals. We believe this is testimony to the quality of service and commitment we offer to each and every commission.

BCAL Consulting is at the leading edge of the use of Building Information Modelling (BIM) and the production of 'Digital Twins' alongside the physically constructed project. We invest heavily in the latest software and training to ensure that we can add value to a project. BIM enables the information exchange throughout the design team to ensure an effective and efficient design.

**At BCAL Consulting we pride ourselves on the service we give to our clients.**



**If you have a project you would like a quote for, please get in contact either by phone on 01933 440024 or email: enquiries@bcal.co.uk**

## Seaton Beach apartments



Seaton Beach apartments is the first Multi block development to be certified as PassivHaus Plus in the United Kingdom. The project is located in the picturesque coastal town of Seaton in South Devon.

The unique project included the demolition of an existing residential property and construction of the five storey luxury apartment block. Great care was taken with the unique construction methodology to ensure accurate detailing and close quality management were both championed.



However, the eight PassivHaus Plus apartments were delivered to specification and obtained an air permeability test result of 0.05 air changes per hour. Due to the extremely high finishing standards and exceptional specification including a 16 kWp array of photovoltaic panels, uninterrupted sea views, allocated secure parking, lift access to all floors each apartment and a high comfort sophisticated mechanical ventilation heat recovery (MVHR) system.

The apartments command between £600,000 524,000 and £1,000,000 in value. Seaton Beach is one of the most distinctive, sustainable and sophisticated developments in the South West of England & is 2050 ready!

Mike Webb MD of Seaton Beach retrained as a certified PassivHaus consultant & now advises other developers on how to achieve this excellence standard.

[www.seatonbeach.co.uk](http://www.seatonbeach.co.uk)





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All systems incorporate anti-jump safety features and have been designed to accept the choice of safety backed mirror, opaque glass (BS6206 Class B) and/or panels.

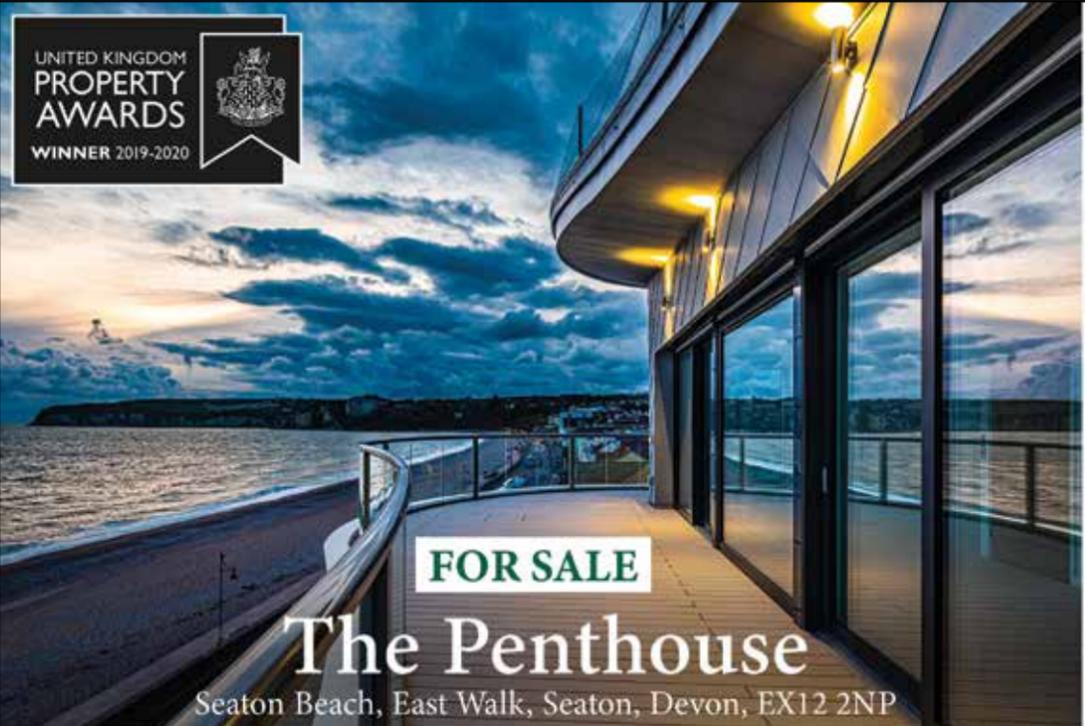
The full range now extends to superb systems with nearly 40 different colours including woodgrains to choose from:

<b>Solitaire &amp; Topaz</b>	Steel systems with painted & vinyl finishes
<b>Diamond</b>	Aluminium (dual) system with anodised and a powder coated finish mid-rails to match
<b>Pearl</b>	Aluminium system with woodgrain finishes plus mid-rails to match and optional soft door closers
<b>Cerroni</b>	A new unique small aluminium profile with track system and door closers
<b>Tuscany</b>	An aluminium system, with classical and elegantly designed profiles and selected modern colours and features with door closers

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# One Coat Wood Oil

## Rubio Monocoat Oil Plus 2C

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- Enhances the natural look of the wood
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Featuring Rubio Monocoat Oil Plus 2C, colour Mist on white oak.

# WJ Timber Treatments launches new 100% non-toxic fire retardant

BURNBLOCK is a non-toxic and highly effective fire-retardant formula. A water-based treatment that is composed of 100% natural ingredients, BURNBLOCK is fully biodegradable – a UK first in treating sawn timbers.

Tested and certified to the highest European fire ratings by the most recognised institutes in Europe, BURNBLOCK is one of the most innovative and environmentally friendly fire-retardant businesses in the world. Institutions that have certified the treatment include RI.SE (SP-Fire) in Sweden, MPA in Germany and BRE in Great Britain.

Exclusively available in the UK at WJ Timber Treatments, BURNBLOCK treated timber effectively extends the

length of time between initial ignition and the point where a fire is out of control, providing more time for people to escape in the event of a fire. It also limits costs in terms of damage caused.

It works by effectively preventing oxygen – one of the three elements required for ignition and fire continuance, from reaching the treated object. Without oxygen in the chain reaction, the risk of ignition is greatly reduced and the speed at which any flame spreads is vastly decreased.

BURNBLOCK has also been tested in order to prove and substantiate its environmental credentials. The solution holds a neutral pH value of 7.2 and none of its elements contain toxic substances. As a result, nothing

found in the BURNBLOCK solution is included on the list of Substances of Very High Concern (SVHC).

Applied in a specialist facility using the latest high-pressure treatment technology, BURNBLOCK is applied via an impregnation process, through the use of an autoclave. The treatment is clear and invisible, leaving no staining or grease on the material as a result.

All substantiating documentation is provided with each treatment in order to provide customers with the assurances in relation to both quality and compliance.

T 01482 338950  
[info@wj-group.co.uk](mailto:info@wj-group.co.uk)  
[www.wj-group.co.uk](http://www.wj-group.co.uk)



## Charred Timber: Traditional inspiration for contemporary architectural design



The ancient Japanese art of charring timber is inspiring contemporary architecture and design. The controlled process was traditionally used to give an aged effect to new timbers. It strengthens the contrast between the grain, increases resilience and adds to the innate character of the wood.

### Charred timber specialist

Exterior Solutions Ltd are charred timber specialists. In 2005, we developed the Shou Sugi Ban® charred timber range; inspired by tradition and developed for modern tastes. Our professional team handcraft each plank of wood to create bespoke charred finishes on a range of timbers. The manufacturing process is carried out in-house, with precision and care.

With knowledge of timber and charring techniques, our team create an extensive range of finishes to suit every project. To give a taste of what is possible, the texture of Douglas Fir allows for the timber to be saturated with colour; we offer an exact match with any RAL colour. A contrasting Larch grain can be enhanced with charring for striking effects, while our Accoya® range delivers a subtle finish.

Shou Sugi Ban® is suitable for interior design features, as well as exterior cladding and hard landscaping. It provides an eye-catching finish to public, commercial and residential architecture, as well as being a striking interior feature in boutique hotels, restaurants and retail units. This is a low maintenance building material that is designed to impress.

Exterior Solutions Ltd can supply projects from a few squared meters through to large developments. We supply to international, as well as UK-based projects. With every plank processed on-site, we maintain stringent quality controls and take considerable pride in our craftsmanship.

Please contact us on 01494 711800 to request a Shou Sugi Ban® brochure and charred timber samples.

## Frametech Essex Ltd

At Frametech Essex Ltd we pride ourselves on our knowledge on all things structural carpentry. Established in 2009 by one of our company directors, Andy Perkins, Frametech have delivered a high standard of work on countless projects across the south of England. We have worked alongside many of the UK's top timber frame and engineering specialists.

In the current climate, where the speed of on-site build is key, we have helped many construction companies in their choice of using timber engineered builds over traditional block and brick methods. At Frametech, we truly believe this is the future of construction. Not only does it increase the on-site production, but

it is also a natural and sustainable material with higher insulating properties.

Would timber frame be right for your build? We have worked on many projects large and small and would always look to advise people where we can on the potential benefits of timber engineered products. Whether it be prefab timber frame panels, post-strut joists or trussed rafter roofs, we work closely with several engineered timber manufacturers to ensure we provide all our clients with all of their project requirements.

For more information please visit our website at [www.frametech-essex.co.uk](http://www.frametech-essex.co.uk)



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# Wood that works

Since being established as a timber merchant in 1975 by the Whiley family, Hawwoods has become renowned in the UK and worldwide as a leader in the wood flooring market, both technologically and aesthetically. With headquarters in Carnforth, Lancashire, Hawwoods also has showrooms in London and Manchester, as well as business operations in Australia and a further three showrooms in Sydney, Melbourne and Newcastle.

The company also has a growing business in North America with a showroom in New York, plus its first entrance into the Canadian market with a showroom in Toronto. To further its global reach, Hawwoods also works with numerous partners across the world including India, UAE, Portugal, New Zealand and beyond.

"We provide solutions for the wood flooring and

wood cladding market," explained Paul Moody, Global Marketing Director. "We offer an end-to-end design and product consultation service to ensure we supply the best possible product to meet the customer's needs, whether that's residential end users, the architecture & design industry, or tradesmen and contractors.

Underpinning its outstanding quality of service is



Hawwoods' unrivalled choice of products. "We are constantly evolving the product selection, and our range changes up to 25% on an annual basis.

Furthermore, our connections with global wood flooring mills and manufacturers ensures we are uniquely positioned to source the best possible products, while also staying ahead of the market in terms of product innovation. In addition to this, our stock holdings ensure we can support even the largest scale projects.

"We offer 'wood that works'. We aim to be a solution provider, offering the best possible wood flooring and cladding solutions. Once we've provided the correct solution, our goal is to 'create talking points in spaces', in other words, an installation or product that gets design conversation and excitement flowing."

Recently, Hawwoods launched PurePanel®, a range of seven pre-finished wood veneer boards to tie in with its PurePlank range of flooring. There are six boards in oak and one in walnut, designed to match some of Hawwoods' most popular colours. These 3m x 1.2m boards are incredibly versatile for use in cladding, cabinetry and fabrication, bringing Hawwoods' high quality products to every surface. Samples of the PurePanel range are available to order now.

Moving forward, Hawwoods is continuing to expand its export operations. For the second year in a row, the company has been listed on the Sunday Times International Track 200, which is a listing for the companies experiencing the highest export sale growth. "In the last year, we have risen up the rankings from outside the top 100 to number 34 on the list, an achievement we are very proud of, and we look forward to continue this in 2020 and beyond," Paul said.

Maintaining a busy calendar of events each year, Hawwoods often attends sector specific trade shows both as an exhibitor and attendee in the UK and worldwide. Recently, the company attended the Domotex and BAU trade shows, as well as exhibiting at BDNY in New York. Boutique Design New York has been fantastic at raising the profile of Hawwoods within the North American and New York market.

Building upon its decades of success, Hawwoods is continuing to ensure it stays up to date with customers' ever-changing needs. Through developing its digital tools, accreditation as well as expertise around care, maintenance and installation, Hawwoods ensures it remains versatile and adaptable enough to stay abreast of customers' challenges.

See the details below to find out more information.

T 01524 737000  
[info@hawwoods.com](mailto:info@hawwoods.com)  
[www.hawwoods.com/uk](http://www.hawwoods.com/uk)



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Email: [ciaran@careyscarpentrycontractors.com](mailto:ciaran@careyscarpentrycontractors.com)

# George Barnsdale to supply windows for former Dickensian Workhouse

George Barnsdale is delighted to announce it has been chosen to manufacture and install the timber windows for a renowned Grade II listed former workhouse building in Fitzrovia, London. Part of the Bedford Passage Development, the project is being undertaken by University College London Hospitals Charity to provide mixed residential and commercial accommodation.

The Strand Union Workhouse is said to have been used by Charles Dickens as inspiration for his 1837 novel *Oliver Twist* and was listed Grade II in 2011. A total of 119 timber box sliding sash single and double glazed windows will be designed and manufactured

by George Barnsdale in the company's Lincolnshire factory alongside some timber flush casement windows and doorsets. The company's installation team will fit them this autumn/winter. Commenting on the project,

Steve Dixon, Sales Director said "We are delighted to have the opportunity to work on this exciting development. We have delivered timber windows and doors on numerous projects throughout London but this has very special provenance with its links to Dickens and Florence Nightingale.

We really do pride ourselves on the part we play in

bringing these historical buildings back to life with our bespoke products."

George Barnsdale's experience with such commercial projects is extensive and a vast amount of thermal and acoustic data is held by the company from the research it has conducted on behalf of clients. As a result, the team is able to offer the optimum solution in terms of performance whilst retaining the original aesthetic of the building.

Contact  
T 01775 823000  
enquiries@georgebarnsdale.co.uk

**GEORGE  
BARNSDALE**  
Est. 1884

## Wales Timber Solutions: specialist manufacturer, supplier & erector



Wales Timber Solutions is a timber frame and web beams manufacturing company based in the heart of Snowdonia, North Wales. The company has grown steadily over the years without losing its identity or commitment to its varied customer base.

As a family run business, the company has over 35 years' experience in both traditional building methods and timber frame construction, supplying bespoke packages to self-builders, developers, housing associations and the commercial market.

Offering a fast and friendly personal service, Wales Timber Solutions can guide you through all stages, including building regulations, planning, and design selection, to ensure an energy-efficient final build.

The company can deliver packages for all types of designs from one-off bespoke units to multi-storey dwellings up to four storeys, and provides a full range of frame specifications to suit your particular project.

What's more, Wales Timber Solutions has dedicated teams of fully experienced carpenters who are supervised throughout to the completion of their schedule of works. The company is on hand to offer advice and to answer any queries during the construction process. All frames are snagged to ensure compliance with the working drawings and to ensure high quality of workmanship.

Find out more here:  
T 01766 762770  
M 07599 408344  
info@walestimbersolutions.co.uk  
www.walestimbersolutions.co.uk



**WTS**  
WALES TIMBER SOLUTIONS

**WALES TIMBER SOLUTIONS ARE A TIMBER FRAME AND POSI-JOIST MANUFACTURING COMPANY BASED IN THE HEART OF SNOWDONIA, NORTH WALES.**

We can offer a fast and friendly personal service to guide you through all stages, including building regulations, planning and design selection, to ensure an energy-efficient final build.

We are a family run business and with more than 40 years expertise in both tradition building methods and timber frame construction. We produce high quality timber frames and posi-joist from our factory at Ffestiniog, Gwynedd. We supply bespoke packages to self-builder, developers, housing associations and the commercial market.

A new addition to our fleet is the Bocker Truck Crane AK 37/4000. Due to outstanding lateral working ranges the truck crane easily lifts loads even to the rear side of the roof. The sophisticated PLC control ensures that even enormous loads can be transported exactly and safely to the respective place of destination. Each of the four telescopic outriggers can be controlled separately so that the crane can be ideally adapted to the situation on-site.

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QUALITY | VALUE FOR MONEY | FLEXIBILITY  
A PERSONAL SERVICE | ATTENTION TO DETAIL

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Web: www.walestimbersolutions.co.uk

# Vandecasteele Houtimport

Vandecasteele Houtimport is a fourth generation, family-run business that imports timber and timber products from all over the world. Located in the heart of Europe, Vandecasteele Houtimport has developed significantly throughout the years, leading to its long-term strategy to become Europe's number one stockiest of certified timber.

Established in 1883 by Louis Vandecasteele, Vandecasteele Houtimport has a uniquely designed warehouse and office in the town of Aalbeke, Belgium. Vandecasteele Houtimport has its own impressive storage facility that

accommodates more than 120,000m<sup>3</sup> of sawn timber products. The total covered space of the company's main warehouse now reaches 16 hectares.

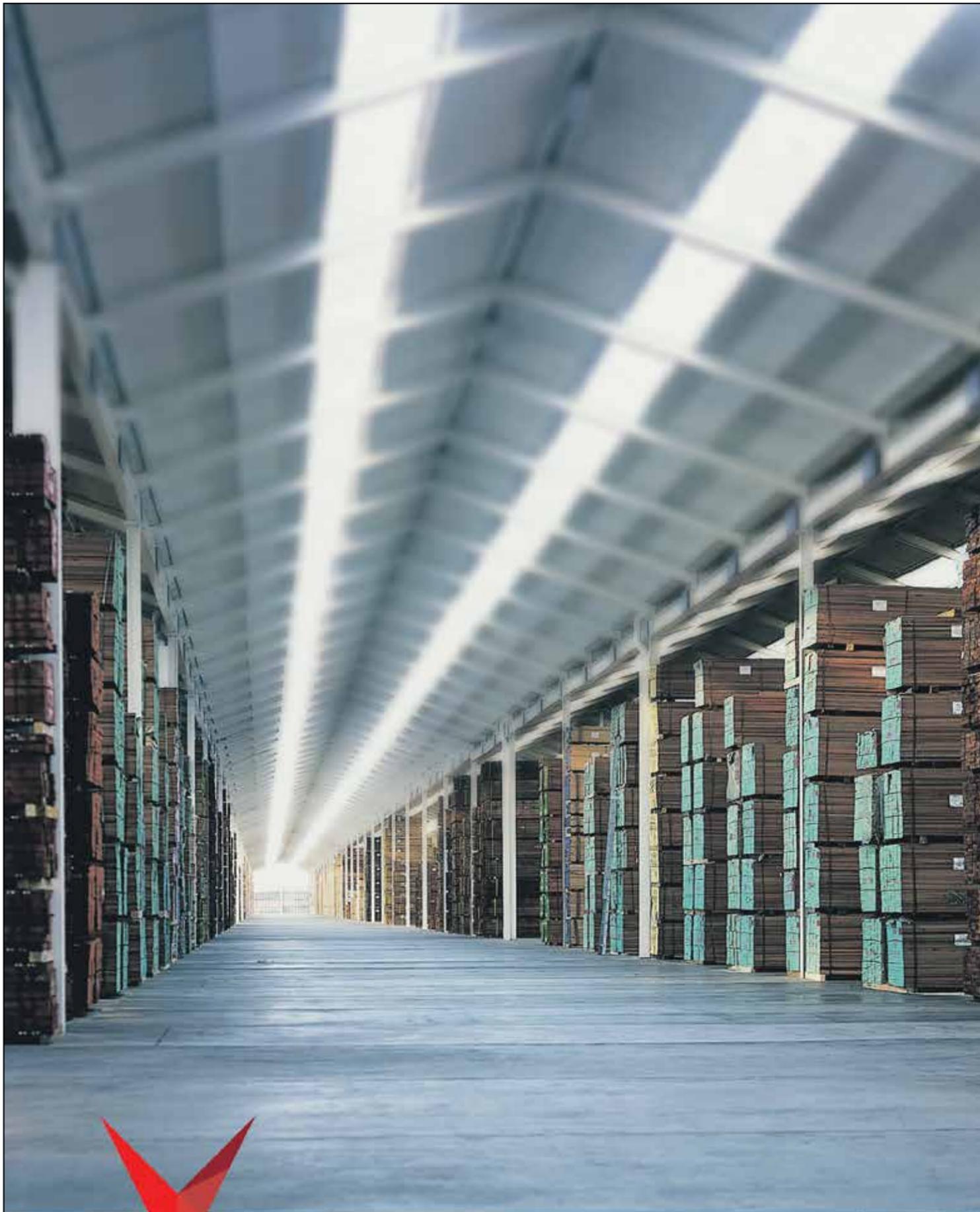
Vandecasteele Houtimport specializes in the import, trading and export of tropical hardwood from Africa, South-east Asia and South America, Scandinavian and Russian softwood, Siberian larch and North American and European softwood and hardwood. Vandecasteele has the resources and ability to adapt to the sensitivity of the market and bridges the gap between sources

of supply in Africa, Far East, South America and North America to Europe, in a matter of days. Maintaining an extensive range of products, Vandecasteele Houtimport has over 130 timber species in stock with a broad range spanning from the most expensive and rare hardwoods, to a full assortment of softwoods. 100% of the softwoods stocked are FSC® or PEFC certified. Over 30,000m<sup>3</sup> of the tropical hardwood stock is now certified and this number is still growing.

This makes Vandecasteele Houtimport the biggest stockholder of certified tropical timbers in Europe.



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[www.vandecasteele.be](http://www.vandecasteele.be)



A modern and expanding family business, since 1883, Vandecasteele Houtimport has a long-term commitment to service a wide variety of customers in the construction, joinery, cladding and furniture sectors, as well as the high-end marine industry.

Located right in the heart of Europe, with easy road access to customers in most major European markets, Vandecasteele Houtimport has over the years consistently developed its long-term strategy to become Europe's number one timber stockiest.

The company boasts its own storage facility that can accommodate more than 160,000m<sup>3</sup> of sawn timber products including the recently completed additional 50,000 m<sup>3</sup> of warehouse extension. Timbers arriving from all over the world are now centralized in one location.

Vandecasteele Houtimport has the resources and ability to adapt to the sensitivity of the market and bridges the gap between sources of supply in Africa, Far East, South America and North America to Europe in a matter of days. This makes the company the first choice with many importers and merchants.



Its impressive and vast stockholding of hardwoods and softwoods is coupled with strong environmental credentials (FSC®, PEFC, and OLB) and an efficient, accurate processing of customer orders. The company is investing in new IT tools to track and trace the timber from source and insure the provenance of the timber is EUTR compliant.

With a strong foundation of more than 135 years of trading in wood and family values that govern its relationship with customers and suppliers, coupled with continuous investment to ensure success in the years to come, Vandecasteele Houtimport looks to the future with confidence.

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# Rapierstar: Giving you the edge



Building and Construction Review is proud to announce that Rapierstar has received our **BCR Recommends Award**, for its outstanding range of market leading fasteners and fixings.

Established in 1992 by David Furness, Rapierstar is based in Macclesfield, Cheshire, supplying specialist screws and fixings to the UK and Ireland fenestration industry. This covers around 70% of window and door manufacturing, installation and refurbishment, with clients ranging from small independent companies to large multinational distributors and manufacturers. Committed to maintaining only the highest standards, Rapierstar specifies and sources from well-respected ISO accredited manufacturers, in order to distribute high quality and competitively priced products.

"Rapierstar is the only specialist fastener supplier in the UK window and door industry, with over one billion items held in stock in our 100,000 ft<sup>2</sup> warehouse," explained David Furness, Managing Director. "This keeps window and door suppliers on stream with the fasteners they need across their different products types, with coated carbon steel, martensitic stainless steel and the high performing austenitic stainless steel fasteners all available to meet every application.

"Products are designed and manufactured to exacting quality standards. In addition to manufacturers' commitment to excellence, Rapierstar also invests in a



comprehensive in-house UK test centre with specialist fixings available next day for customers."

Without a doubt, Rapierstar is synonymous with experience and quality, offering outstanding services underpinned by an industry-leading technical support team which boasts a collective experience in the fastener market of over 150 years.

Some of Rapierstar's specialist branded fixings include STARPCU high corrosion resistant carbon and stainless steel window screws, which are specified on numerous leading fenestration systems, and STARALU self-tapping stainless steel fixings for aluminium systems. The company's high quality product range also features STARFIX plug-free masonry fixings, STARTURN universal timber screws, STARDECK specially developed exterior decking screws and STARPIN and STARNAIL stainless steel polymer headed pins and nails. Currently, Rapierstar is developing its 100,000 ft<sup>2</sup> warehouse in Cheshire further in order to incorporate a teaching and



seminar centre, proof of its dedication to adding true value to the industry. Indeed, since its inception, the company has strived to establish and maintain a position of leadership in the supply of fixings and building products throughout the UK and Ireland, a feat which

Rapierstar is in no doubt achieving, and will continue to achieve in the coming years.

If you would like to find out more information on the company's full range of products and services, head to

the website or get in touch using the contact details below.

T +44 (0)1260 223311  
[info@rapierstar.com](mailto:info@rapierstar.com)  
[www.rapierstar.com](http://www.rapierstar.com)

## Wood CO<sub>2</sub>ts less

**FACT 1**  
Trees capture CO<sub>2</sub> from the atmosphere and store it as carbon

**FACT 2**  
Mature trees are harvested and their carbon is captured and stored in buildings and other wood products

**FACT 3**  
More trees are planted and the size of the European forest carbon sink continues to grow

**FACT 4**  
Using wood instead of other materials saves CO<sub>2</sub> emissions, both through the carbon captured and stored in the wood product and the avoidance of alternative CO<sub>2</sub>-intensive materials

**FACT 5**  
One of the simplest ways to capture carbon and reduce CO<sub>2</sub> in the atmosphere is by increasing the use of wood in construction

**FACT 6**  
Using wood in construction is a cost-free solution to carbon capture – reducing CO<sub>2</sub> in the atmosphere

Using wood from sustainably-managed forests instead of other materials is a good way to reduce CO<sub>2</sub> emissions. For more information visit [woodforgood.com/CO2](http://woodforgood.com/CO2) Wood CO<sub>2</sub>ts less is a collective mark of Wood for Good Ltd.

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Just a few examples of recently finished projects. Contact us with your requirements.

# Stairkraft: Taking your Home to the Next Level

Transform your home with a luxurious and elegant floating stair

Stairkraft are pleased to announce the launch of their innovative Faux Cantilever Stair. Make your stairs a unique and individual feature, enhancing your home and adding value to your property.

They have developed an ingenious and inspired system of support, which eliminates the requirement for either, a substantially built support wall, or incorporation of any additional steel support frame; normally a prerequisite of a cantilever stair.

Furthermore, for prospective clients refurbishing and replacing an existing stair, the faux cantilever can be installed without the mess and disruption caused by the removal of the existing plaster finishes, making for a more timely and hassle-free installation experience.

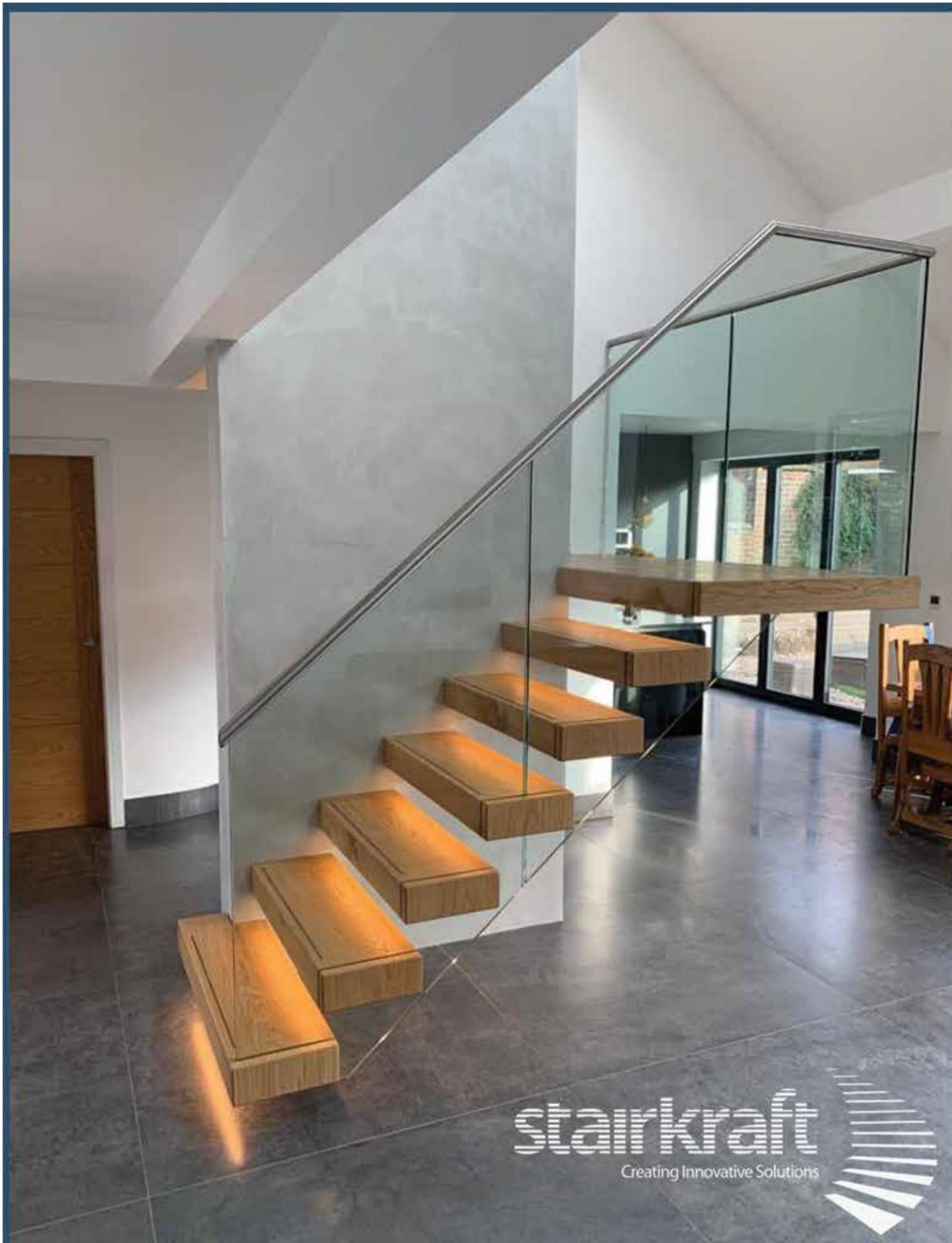
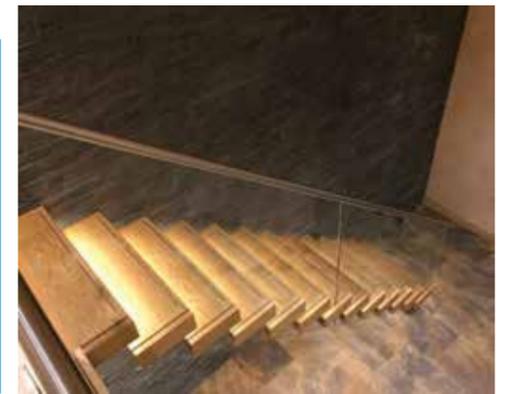
Together with the obvious time benefit, the Faux Cantilever stair can be manufactured and installed for a significantly lower price than that of a conventional cantilever stair.

Stairkraft offer a complete service, from design

to installation. All stairs start by being created in Stairkraft's own Design studio, utilizing the latest 3D CAD systems. They are manufactured in their own purpose-built factory in Sheffield, employing the latest technology and engineering whilst still embracing traditional craftsmanship. They are then installed by Stairkraft's skilled operatives.

The stairs are available in a range of materials, styles and finishes, including glass treads.

**Please contact [info@stairkraft.co.uk](mailto:info@stairkraft.co.uk) for your free, no obligation quotation.**



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## Avoiding landfill & saving millions



As landfill taxes rose above £90 for the first time earlier this year, there is now more pressure than ever to recycle waste materials. More efficient recycling schemes across the UK has meant that, despite the rising costs of landfill, the amount of money it generates has lowered by almost £300m since 2014.

Earlier this year Dunton Technologies were contacted by a remediation contractor that had been awarded a contract to assist with the redevelopment of a former gas works. The 16 acre brownfield site used to be home to two large gasometers, which were demolished back in 2016.

Dunton were called upon to provide their expertise in the disposal of potentially hazardous waste soils that were to be excavated from the land. Of course, with large sites, the significant volumes of waste material mean that even the saving of a few pounds per tonne can end up equating to tens of thousands of pounds by the end of the project. This is where Duntons vast experience in the handling of hazardous materials, combined with their strong network of UK waste treatment facilities, ensures that the client will always benefit from the most cost-effective distribution of the waste.

Duntons Environmental Manager for this project, Adrian Jefimiuk writes:

"Whilst saving our clients money is a primary focus of our waste disposal services, we find that the main reason many of our customers choose Dunton is due to a solid reputation for ensuring 100% compliance with every tonne of material we handle. We understand the importance of providing a trustworthy and reliable service in order to provide our clients with peace of mind."

Having worked closely with our client since May, Dunton have already handled over 4000m<sup>3</sup> of waste soils, saving the client over £700,000 in landfill taxes.

[www.duntonenvironmental.com](http://www.duntonenvironmental.com)



## New distributorship for Cinderella Eco Solution

LeeSan has become the Sole distributor for Cinderella Eco Solution incinerating toilets.

4 different toilets will be available very soon running on Propane Gas or 240V.

Cinderella Motion represents an entirely new concept for waste handling in Off-the-Grid locations, Marine craft, mobile homes and recreational vehicles. It is now possible to get rid of toilet waste in a hygienic and simple manner. The end product is just clean ash. The toilet may be used around 70

times before emptying is required. Cinderella Motion is a further development of the popular Cinderella incineration toilet currently installed by over 60,000 users worldwide.

An incineration toilet is a toilet in which waste products, urine and excrement, are incinerated at a high temperature, leaving only an insignificant amount of ash.

Available around the world for decades, incineration toilets are a commonly used alternative in mountain cabins, remote areas, tiny homes, off-grid structures and other

residential and commercial applications without easy access to public utilities. Since incineration toilets do not require the installation of a water supply or costly septic systems, and do not demand ongoing and messy work to process waste, their slightly higher unit price is heavily offset by lower maintenance over time, providing a substantially lower total cost of ownership than other solutions, both in terms of money and headache.

T +44 (0)1295 770000  
www.lesan.com



## Value engineered stormwater attenuation tanks

Based in St. Helens, Merseyside, Tubosider is committed to finding the most effective solution, designed to meet engineer's specifications and site requirements. All Tubosider systems are designed by its expert design team and made to order at the company's St. Helens factory in Merseyside.



"We continue to go from strength to strength, ensuring we keep pace with the requirements of the drainage market," said Anne Duckworth, Managing Director. "For more than 30 years we've supplied the industry with corrugated steel culverts and bespoke stormwater attenuation tanks used in underground drainage systems. These are supplied in Galvanised Steel or alternatively with an additional Trenchcoat finish for an extended design life. The versatility of a Tubosider system can lead to a reduction in the number of manholes and associated drainage runs required compared to other drainage systems, whilst still providing full accessibility.

Working directly with Tubosider's design team the Customer can create a stormwater system that meets their specific needs, Tubosider can offer an infinite number of layouts using pipes from 0.3m to 3.6m diameter.

Tubosider will be attending FloodEx on 26-27 February, promoting its drainage systems, be sure to go along and see what they have to offer. For more information and to stay up to date with all of Tubosider's latest developments, head to the website or get in touch using the contact details below.

T 01744 452900  
info@tubosider.co.uk  
www.tubosider.co.uk



Designed to fit.

There's no 'one-size-fits-all' at Tubosider. Whatever your project needs, our single store stormwater tank systems are designed to suit your discharge rate, return period, site dimensions and project budget.

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## Building Products & Services News

### Intelligent water monitoring

Intelligent water monitoring checks a range of parameters in order to get a real-time view of system integrity, water characteristics and corrosion. Suitable for use on closed-circuit systems of any size, this type of technology prevents corrosion and system breakdown by flagging up small changes in condition that would lead to more serious (and expensive) issues if left unchecked.



Common applications include commercial premises, in both the public and private sector, district heating systems, data centres and hospitals. Hevasure's 24/7 real-time solution can be used to monitor conditions at all stages of a water system's life, from pre-commissioning cleaning through to handover and on-going maintenance.

Importantly, our state-of-the-art sensors check for Dissolved Oxygen (DO), something that is not picked up by sampling – the traditional way of checking water condition. DO is the pre-cursor to nearly all types of corrosion, directly resulting in pipe and component degradation and/or providing the right conditions for bacteria to thrive, which can lead to Microbial Induced Corrosion (MIC).

Detecting oxygen's presence, along with the parameters that cause it to enter systems, such as pressure or make-up water flows, is critical. Measuring other contributory factors - pH, inhibitor levels and temperature - provides a full picture, that will lead to more efficient closed-circuit systems, less likely to corrode and fall-foul of expensive repairs.

www.hevasure.com

# New hydraulic DesignSoftware for HAURATON surface drainage systems

HAURATON's new web-based application 'DesignSoftware' provides construction industry professionals with quick, simple hydraulic analysis, channel sizing, project design and product specification for the company's range of surface drainage systems (for landscape, commercial and civils projects) whilst working on their own desk-top computers, laptops and tablets.

Immediate access for registration and use of this new hydraulic design software is achieved through the link: <https://hydraulicdesign.hauraton.com>

User-friendly and free-of-charge, HAURATON 'DesignSoftware' provides engineers with the flexibility to create their own drainage designs and project specifications, with just three clicks to a hydraulic calculation.

HAURATON has used their 'in-house' hydraulic design software to create project designs for over 30 years with



total reliability.

In addition to this new software application, HAURATON offers a comprehensive design service, which is also free of charge.

Further information is available at: [www.hauraton.co.uk](http://www.hauraton.co.uk) or by phoning 01582 501380. Software: <https://hydraulicdesign.hauraton.com>

#### HAURATON DesignSoftware - Features & Functions

- ▲ User-friendly, intuitive interface with quick, clear, simple steps to final calculations.
- ▲ Hydraulic calculations based on widely used 'Modified-Manning-Strickler' formula. Hydraulic discharge provided on a free outflow basis.
- ▲ Accommodates HAURATON's core range of linear drainage systems for total design flexibility (for landscape, commercial, civils and other project types). Includes all channel types and depths available.

- ▲ Rainfall intensity options in mm/h, l/s\*Ha and l/s\*m<sup>2</sup>.
- ▲ UK Software: UK Rainfall Map using data from 'Flood Studies Report'. User options for Return Period, Storm Duration and Climate Change.
- ▲ Automatic and manual channel run design functions.
- ▲ Constant-depth and step-fall channel configuration options.
- ▲ Accommodates both 0% and positive longitudinal ground slopes.
- ▲ Detailed hydraulic analysis of channel run designs.
- ▲ Controlled discharge function for HICAP® Slot Channel designs.
- ▲ Quick user tools for adding/duplicating runs, resetting designs, adding notes etc.
- ▲ 'Drag & Drop' function for adding Point Inflows to the channel run design. Tributary channels can be linked to the main channel run being designed.
- ▲ 'Drag & Drop' function for adding system Accessories to the channel run design.
- ▲ Comprehensive product library for 'one-stop' specification data. HAURATON website links for

additional product information.

- ▲ HELP file and tool-tips for detailed design guidance and advice.
- ▲ Project folder for registered users offering safe and secure server storage of final designs. Option to export design files for external storage.
- ▲ Automatic generation of .pdf project documents for specification support. Hydraulic Analysis, Materials List and Information datasheets available.

#### Design Reassurance

DesignSoftware has been tested extensively and the methodology validated by an independent hydraulics consultancy company. HAURATON's 'in-house' hydraulic design software has been used successfully by their own technical personnel for over 30 years with total reliability.

#### Confidential

Registered users (password protected) have access to safe and secure server storage regarding their final designs. Designs remain strictly confidential unless users tick to 'share with HAURATON'. Registered users have the option to export design files for external storage in their own computers or for sharing with colleagues for further design or discussion. DesignSoftware has been configured to comply fully with GDPR 'data privacy' regulations.

#### Experience & Expertise

A world leader in the manufacture of modular surface drainage systems, HAURATON drainage products have been supplied onto major projects within the UK and international markets for over sixty-five years. HAURATON developed their first linear drainage system in 1956. Since that time the HAURATON brand has become known around the world as a benchmark for quality, reliability, durability and service.



## Three Hauraton drainage systems installed at Margem Green Energy Biomass Plant

The Margam Green Energy Biomass Plant is a 40MW electricity power station utilising chipped wood waste as fuel otherwise destined for landfill. When fully operational the project will use around 300,000 tonnes of waste wood from nearby regions.

The plant is located on land off Harbour Way (A4241), near Margam in South Wales, in an area designated for commercial and industrial development. Built on a 3.98 hectares site the buildings are surrounded by a 6209m<sup>2</sup> (66,834ft<sup>2</sup>) concreted yard plus asphalt access roads and car park.

Hauraton supplied three types of channel to meet the rigorous specifications for surface drainage of the main concreted yard surrounding the plant, weighbridges and car park.

Three sizes of RECYFIX® HICAP® high capacity channels were installed in the yard. 3 metres

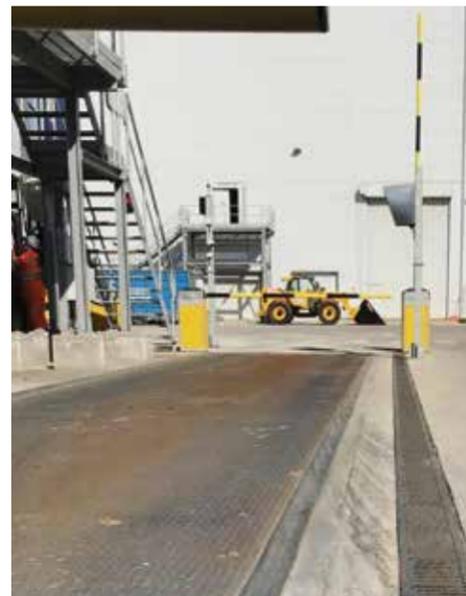


of HICAP® 1000, 303 metres of HICAP® 2000 and 255 metre of HICAP® 3000. The total water capacity of the HICAP® channels was just over 20,390 litres. By installing this system, the channel runs were kept to a minimum so saving on installation costs and future maintenance. Factory fitted with 14mm slotted ductile iron inlets, the channels comply with a loading Class of F900 so can easily take the weight of a HGV fully laden with wood chips. Importantly, once installed the complete system is highly resilient to the twisting forces imposed by the laden vehicles.

42 metres of FASERFIX® SUPER 150 channels with Class F900 ductile iron 20mm gratings were installed around the two weighbridges. The FASERFIX® channel component is made from the company's Fibre Reinforced Concrete with galvanised steel angle housings moulded into the top edges of the channel during production.

This specification is highly resistant to extreme loads and constant dynamic forces and

was found to be ideal for the weighbridge application. The FASERFIX® gratings are secured by SIDE-LOCK® patented boltless system. The system allows gratings to be installed and later, removed quickly. Once a grating is positioned over the channel, foot pressure is simply applied. A loud click is then heard which confirms it is securely locked onto the



channel. The grating is removed using a large screwdriver inserted into a discreet leverage point. This feature is particularly useful where channels need to be cleaned out at regularly.

Finally, 39 metres of RECYFIX® PRO 100 Type

75mm factory fitted with FIBRETEC® heel-safe gratings were installed in the car park. The FIBRETEC® grating, moulded from a fibre strengthened Polyamide (PA-GF) and allows loadings up to Class C250 (BSEN 1433)

All the RECYFIX® channel components specified for the project are made from 100% recycled Polypropylene (PP) derived from post consumer and post industrial sources.

Hauraton Project Manager, Cat Jones comments about the project, "We are pleased to have worked closely with the contractor, Interserve, on this large project. Working on a call of schedule with precise delivery dates we managed to ensure delivery's arrived on the specified dates. On site project management was essential to ensure the smooth running of this project"

For Case Study and other projects go to [www.drainage-projects.co.uk](http://www.drainage-projects.co.uk)



## Lendon always on hand to help with all your marine shipping container needs



Lendon Containers is based in the Clapham Common area of London, the company was founded over 20 years ago by the company's namesake Lendon Meaby. Lendon Containers sell and rent marine shipping containers and has built a strong reputation for its containers and boasts an impressive portfolio of satisfied customers throughout a variety of different sectors including: The Army, Local Authorities, Leisure Facilities, Construction, Parks and Garden Centres, Hospitals, Static Storage Centres, Schools, and Utility Companies.

Shipping containers are an extremely cost-effective and flexible storage solution as they are easily transported, opposed to other storage facilities such as warehouse storage. The company's containers are not solely hired or purchased for their storage capabilities and have been converted by many clients for a whole host of different applications and purposes, including generator units, laboratories, clubhouses, secure site offices, chemical stores, pop-up bars and food stalls.

In terms of the range, Lendon Containers provides containers for hire and for purchase. The containers are extremely competitively priced and can be rented from as little as £9 a week, plus VAT. Containers available for rent are either 20ft or 40ft x 8ft x 8ft 6ins or 20ft ISO containers. Hiring a 20ft container offers nearly 14 square metres – 32 cubic metres – of space.

Maintaining an experienced team, Lendon Containers can help customers with the entire conversion process; from the design of the container right the way through to fitting it out and transporting it to the customer's location. Regardless how big or small the project is, the team at Lendon Containers is always on hand and will guide its customers through every step of the way. There are many examples of previous conversions available for customers, with sample materials and styles available.

A great solution for cost-effective, simple and transportable storage or a unique conversion facility – Lendon Containers provides a plethora of options for customers.

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## Zoo Architectural Hardware

Zoo Hardware Ltd are designers and suppliers of architectural door hardware including door handles, knobs, locks, cylinders, door closers, hinges and more. All of their products are produced to the highest quality in aluminium, brass, steel and zinc.

Every item they produce is selected for its quality and value for money and they never compromise quality for cheaper prices. Zoo Hardware are confident in their belief that they can offer some of the highest quality products at the most competitive prices on the market.

Their in-house design team is fully qualified in all aspects of design and production and they constantly aim to supply innovative, stylish and cost-effective hardware solutions settling for nothing less than top

quality. Design facilities at their head office means they can create, manufacture and deliver state-of-the-art products to stay in-tune with current design trends and ahead of the competition.

The Zoo Hardware product ranges cover all aspects of architectural ironmongery, including: **Vier** – a precision design range of levers, hinges, door closers, DIN locks and cylinders created for the exacting needs of Architects, Specifiers and Contractors; **Fulton & Bray** – traditional and classic



brass door hardware and accessories ideal for period and contemporary properties; **Rosso Maniglie** – an Italian inspired zinc designer lever and accessories range perfect for home owners and housebuilders; and **Foxcote Foundries** – a wide range of traditional black antique door furniture and window fittings.

View their full range of products at: [www.zoohardware.co.uk](http://www.zoohardware.co.uk) or call one of their friendly sales team on: +44 (0)1228 672900 to discuss your requirements or to request a catalogue.

## The Van Insurer reports a boost in quote requests from UK's van drivers

As the UK continues its exit out of lockdown, leading insurance price comparison specialist The Van Insurer has reported a significant increase in quote requests as the nation's van drivers get back out on the road.

The online price comparison expert processed 15 per cent more quote requests from van drivers in June compared with the previous month and noted a sizeable 52 per cent rise in requests between April and June this year, as the nation eased out of lockdown.

The Van Insurer's year-on-year statistics provide a further boost with quote requests rising by an impressive 41 per cent between June 2019 and June 2020, suggesting a positive outlook for the sector.

Ed Bevis, Commercial and Marketing Manager at The Van Insurer, says: 'There's no doubt that it's been a gloomy time for the industry but this data indicates a growing confidence in the sector, and it couldn't have come at a better time.'

'In addition to quote requests, we've

noted a staggering 67 per cent more hits on The Van Insurer's website between April and June. Whether that's due to people changing career due to coronavirus and needing a van for work, or van drivers looking for the best advice on how to save money during this difficult period, we're primed and ready to help them however we can.

'We know that every industry will take time to recover from the impact of the pandemic but we're pleased to be able to report some good news and are hopeful that this upward trend will continue as we ease further out of lockdown'.

For more information on The Van Insurer and its 'Cheapest Price Guarantee', visit [www.thevaninsurer.co.uk](http://www.thevaninsurer.co.uk)



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Glatthaar-Fertigkeller specialises in all aspects of basement construction including design, calculations, off-site manufacturing, on-site building and many other additional services. Glatthaar is the only company in England that delivers a basement system and not just components for basement construction.

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## Heartlands Metal Craft Ltd



Heartlands Metal Craft Ltd, based in the West Midlands, the heart of manufacturing, offers quality manufactured gates from wrought iron designs, to steel framed composite clad gates, plus aluminium and wooden options. We also have a vast range of gates and railings from our unique Period Cast Iron Range, inspired by the 19th Century designs originating in Falkirk, Scotland, at the famous Sun Foundry circa 1892.

Heartlands Metal Craft offers a full comprehensive nationwide installation service for all our products detailed above and below including gate automation and access control. As automation specialists, Heartlands provides quality installations exceeding compliance to today's regulations in safety and quality build. Our extensive knowledge in gate automation and access control equipment will deliver you with the best effective system design for your chosen entrance gate, and control from initial assessments through to a thorough handover on completion of our installations.

With our production range extending to balconies, indoor and outdoor balustrades here at Heartlands, we believe we are a company with best practice in operation from receipt of the initial enquiries to site surveys, CAD drawings for customer design approval through to quality production and installation.

Please don't hesitate to contact us for further information at: [www.heartlands.co.uk](http://www.heartlands.co.uk) or call 01384 900260 or email: [info@heartlands.co.uk](mailto:info@heartlands.co.uk)



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## Low-carbon building & construction materials made from recycled plastic



Wood is a common material used for a variety of building and construction projects. It's versatile, easy to work with and available in abundance. However, it does come with its set-backs.

Wood, when exposed to the elements, will deteriorate and rot over time and require constant maintenance. Even treated wood will deteriorate over time, and with treated wood comes the controversial negative effects that some preservatives have on the environment.

However, Kedel Ltd have the perfect environmentally friendly, low-carbon solution that is just as versatile and as easy to work with as wood without the added upkeep or annual maintenance expenses.

Recycled Plastic building and construction materials from Kedel are 100% maintenance-free. They will never need painting, staining or oiling at all. They're entirely rot-proof. The unique manufacturing process of Kedel's recycled plastic lumber/timber profiles means they're entirely impervious to water, frost, insects, fungi and algae. They're incredibly low-carbon and they're made from British waste plastic that would otherwise end up in landfill or the ocean.

Kedel have an enormous range of recycled plastic building materials. With products ranging from decking, cladding, fencing and lumber profiles, to gallows brackets, fascia boards, benches, picnic tables, raised beds, planters and gates.

To find out more about Kedel's low-carbon, recycled plastic, maintenance-free, rot-proof building materials, simply visit: [www.kedeltrade.co.uk](http://www.kedeltrade.co.uk) – alternatively you can contact us on 01282 861325 or email us at: [sales@kedel.co.uk](mailto:sales@kedel.co.uk)

## Hadspen Quarry Ltd

Hadspen Quarry Ltd is a supplier of British Blue Lias Limestone used traditionally for walling, Hadspen Quarry has now launched a range of Blue Lias flooring, worktops, wall tiles, cobbles and much more. Excavated directly from one of their two quarries in Somerset, Hadspen Quarry is a family run business with a keen eye for attention to detail ensuring you get the quality needed for your project.

The versatile and luxurious qualities of British limestone means it can be combined with an array of other materials throughout any project to create spaces that are unique, organic and well designed.

Natural stone can be used as a finish not only on the exterior as a walling or cladding stone but also lends itself incredibly well to interiors. It never goes out of style and the recent boom in the return to the use of natural British stone is the proof in the

pudding. Hadspen Quarry's range of Blue Lias Flooring, Wall Tiles, Flagstones, Walling Stone and Cobbles have been used extensively at the prestigious new development The Newt in Somerset, as well as other projects both big and small. They supply and deliver custom-made Blue Lias flooring for customers across the UK.

For a rustic cottage look the leathered blue lias is a good match for time worn flagstones, while the flamed & brushed finish is a new flagstone look. For a modern aesthetic the two honed options, either our marble bed or fossil bed of Blue Lias provides a contemporary finish while retaining the classic timeless look of a British Limestone floor.

If you need expert advice to help choose the perfect stone for your project, don't hesitate to get in touch with the team on 01963 351205 or email [info@hadspenquarry.co.uk](mailto:info@hadspenquarry.co.uk)





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## Public Sculpture

Art for the public to enjoy has taken many forms from the Pyramids and Sphinx in Ancient Egypt with its quasi religious and Royal elements through the classical Greeks and Romans setting the standard in the body beautiful of gods and goddesses and their triumphal depictions of heroes both mythical and real.



The renaissance was really the next wave to influence public art and again religion was the main source of inspiration with Michaelangelo's David and La Pieta probably the best known.

This heavily influenced the next movement which was a combination of the effects of the grand tour with many famous collections both private and public built up combined with the surge of the Georgians and Victorians commemorating the heroes of the day with possibly Nelson's Column being the most famous.

It was then that nonrepresentational art emerged with The Eiffel Tower in Paris being the most obvious example followed in yet another direction by Henry Moore and Barbara Hepworth making Abstract a controversial for some and popular for others, break from tradition.

The present day is heir to all these influences which pull in so many different directions and is spread like a feast to be picked over and chosen from with discretion and taste.

Peter de Sausmarez director of ArtParkS International and its massive Sculpture Website, says that it is fascinating to see such a variety of different works and styles that are being chosen to embellish Public spaces, Hotels and Offices where it is essential to have only the best.

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### Timber window & door specialists



Arden Windows is a manufacturer and installer of high performance timber windows and timber door sets. Established in 1985, the Coventry based company has grown significantly since its inception and is at the forefront of modern timber window and door technology.

With an extensive range of products, Arden Windows provides a selection of made-to-measure timber windows alongside a comprehensive range of external single, double and bi-fold doors. Providing bespoke design, installation and refurbishment services throughout the whole UK, Arden Windows is well equipped with the expertise to meet the most specific requirements for both performance and aesthetics.

Due to the company's array of capabilities, Arden Windows provides its service for a diverse customer base. "We have a varied base. I would say that around 70% of customers are for new builds, 20% refurbishment and 10% are private developers," said John Sidebottom, Sales & Marketing Director.

In attendance at the London Build Expo in 2019, Arden Windows showcased their impressive range of products and services. "The show went really well for us!" John expressed, "Two weeks prior we attended another event and we were really surprised at the overwhelming positive experience we received in comparison at the London Build Show. We met a lot of potential new customers and several new leads have come from it."

Having gained 30/40 inquires since the London Build Expo, Arden Windows experienced an extremely positive experience for exposure and networking opportunities. Displaying their award winning timber products, John explained that the show was a great experience for the company to demonstrate their services and top quality products. "All of our products are secured by design, durable and sustainable. We use top quality timber which is FSC accredited and we make sure to use environmentally friendly solutions, such as using water based paint. We are also fully accredited for installation of our products," said John.

In terms of recent developments for the company, John told us that, "We were awarded the Product Design in Wood Award by the British Woodworking Federation in 2018."

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AJ Products now offers a leasing solution for all your workplace furniture and equipment requirements. From office furniture to pallet racking, lifting equipment and materials handling solutions, AJ Products has the solutions to help your business improve workplace productivity and employee wellbeing. We can lend to businesses of all types, including start-

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Leasing is a solution that makes sense no matter what your financial circumstances, and at the end of the lease you can choose whether to:

1. Keep the products
2. Return the products
3. Upgrade to new products



So, whether you want to finance your requirements completely, part finance a purchase, upgrade to a higher specification product that will outperform your original budget-driven choice or simply wish to be more tax efficient, AJ Products has the total solution for you in terms of product choice and payment options.

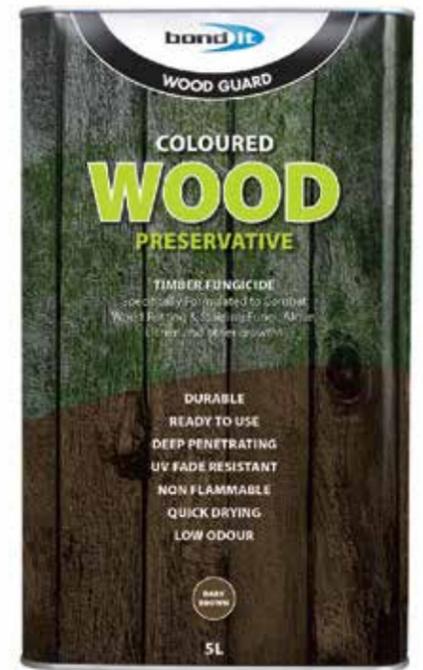
To find out more information on how AJ Products can help support your business development, head to the website or get in touch using the details below:

T 01252 359760  
[info@ajproducts.co.uk](mailto:info@ajproducts.co.uk)  
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[ajproducts.co.uk](http://ajproducts.co.uk)

## Preserving High Standards



Bond It is building on its track record of offering innovative, value adding products with the launch of its new Coloured Wood Preservers.

The business, which ranks as one of the UK's leading manufacturers of sealants, adhesives and building chemicals, has identified the need to offer more wood treatment products under its new Wood Guard banner.

With recent EU legislation banning ingredients such as propiconazole, products containing this active ingredient are currently being phased out throughout the industry. In response to this, Bond It has introduced a Coloured Wood Preserver that offers a waterbased alternative containing no VOCs and no propiconazole, making it safer to use.

It contains a fungicide specifically formulated for use against wood rotting, decay and staining fungi, algae, lichen and other growths on wood surfaces. It is an ideal product for the protection of outdoor timber structures such as sheds, fences, trellis, pergolas, gazebos etc and can be applied to all rough, sawn or smooth timbers.

Available in a range of durable UV fade resistant colours that provide deep penetration into timber and leave a colour finish with the natural timber grain texture still visible.

It has virtually no odour and can be applied either by brush or low pressure spray to provide lasting protection. The formulation is water-based producing a non-flammable, quick drying product and is ready to apply direct from the container. It also facilitates easy clean up of brushes and tools.

Dr Kayleigh Cox-Novak, technical manager at Bond It, says: "As a business, Bond It are quick to react to legislative changes affecting the construction industry and strive to offer safer solutions to the users of our products. The launch of Coloured Wood Preserver reflects this focus on continued innovation and improvement."

Available in 5L tins, the Coloured Wood Preserver is being offered in Light Brown, Dark Brown and Green.

For more information on Seal It contact our Sales Team on 01422 315300 or visit [www.bond-it.co.uk](http://www.bond-it.co.uk).

# WOOD

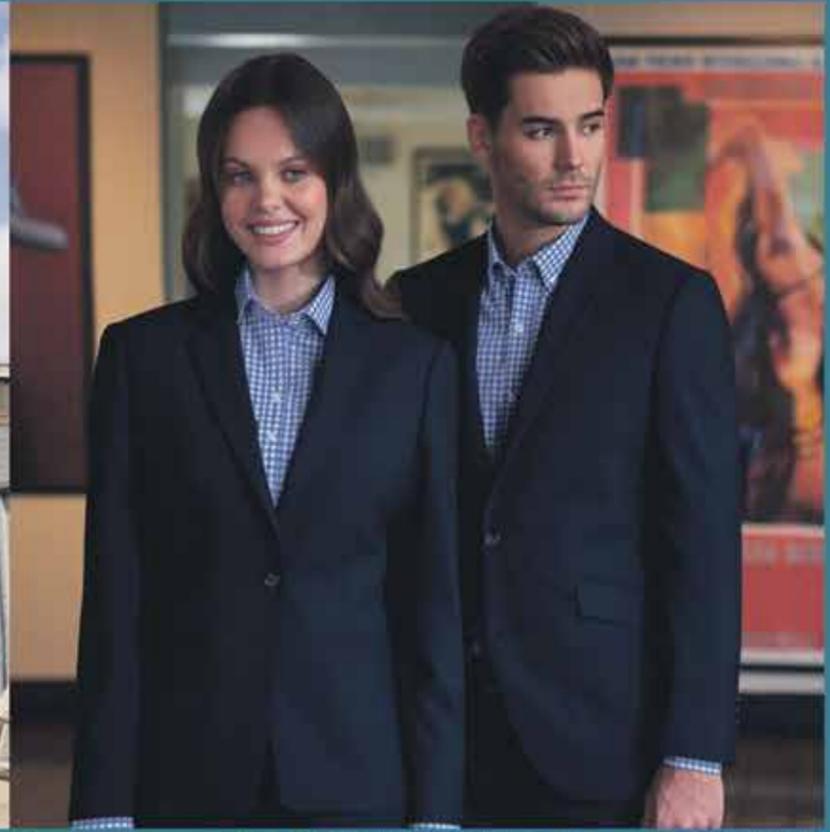
Like all of us, it needs a little TLC every now and then.

visit [www.bond-it.co.uk](http://www.bond-it.co.uk) for details.

Unit G16, River Bank Way, Lowfields Business Park, Elland, West Yorkshire HX5 9DN  
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