

## Building & Construction Review

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### Advanced Perimeter Systems

APS makes a range of security systems which are installed around the world securing everything from Palaces to Piggeries, Stately Homes to Shopping Malls, Power stations to Ports, and many more. Having been a trusted manufacturer of high-security systems for Forty years you can be sure that we've got the products and experience to provide solutions for most security requirements.



Founded in the UK in 1982, Advanced Perimeter Systems is still in the same ownership and operates from our premises in Scotland, exporting our systems across the globe. Our focus remains on perimeter security. APS firmly believes that perimeter security should always be the first line of defence and our impressive client list tends to agree. Celebrating our 40th anniversary this year APS continues to support our customers through our partner network.

Our continued focus on perimeter security extends to three key product ranges:

- ▲ **Flexiguard** – a discreet acoustic sensor cable system which actively monitors any attempt to cut or climb your perimeter fence.
- ▲ **Electro-Fence** – the ultimate deterrent, a non-lethal 10,000-volt electrified fence which packs a

- mighty punch.
- ▲ **Microguard** – the invisible barrier. A microwave barrier system ideal for locations where you don't want a visible physical barrier.
- ▲ **Multisys** – Security Management System. A software solution to manage and integrate multiple security devices including all APS solutions, CCTV cameras, and third-party devices, access control etc.

Having developed our product ranges as high security products many have variants suited to commercial and residential property.

APS products are built and tested to the highest standards here in the UK. You will find our high security products protecting Critical National Infrastructure at home and abroad. Working with the Police Crime Prevention Initiatives APS ensures that our products are accredited as Secured By Design.

Contact [www.advancedperimetersystems.com](http://www.advancedperimetersystems.com)

### The only joinery manufacturer you need

If you're looking for quality, custom-made joinery, look no further than Bluerun Ltd. As a small, family-owned joinery manufacturer, Bluerun boasts an extremely loyal team of experts who manufacture everything to the highest quality. Bluerun's staircases are widely considered works of art, all of which are designed in-house. On top of this, Bluerun can create bespoke items, from bookcases and window frames to countertops and door sets.

standards of conservation areas or heritage sites.

This includes shopfronts in sensitive conservation areas, and a 10-metre-high oak hardwood catapult for Stansted Mountfitchet Castle. With such a wide scope of services



Whether you need a one-off item or a production run of doors and windows for a housing development, a new interior for your premises or a bespoke shop front, Bluerun is perfectly placed to deliver exactly what you need. Instead of producing speculative items for stock, Bluerun only produces purpose made joinery to fit clients' drawings and specifications.

and the skills and expertise to support them, Bluerun is the only quality joinery manufacturer you need for your project.

For any more information, please see the details below.

T 01799 599995  
[dee@bluerunltd.co.uk](mailto:dee@bluerunltd.co.uk)  
[www.facebook.com/bluerunltd](https://www.facebook.com/bluerunltd)  
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[www.linkedin.com/company/bluerun-ltd](https://www.linkedin.com/company/bluerun-ltd)

The majority of Bluerun's production is for commercial builders and manufacturing, and it can provide all types of commercial joinery products. In addition to commercial projects, Bluerun can also produce high quality joinery to meet the specific



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### The TP Group: The UK's leading multi-disciplinary contractors

Established in 1986, The TP Group has quickly grown to become one of the UK's leading multi-disciplinary contractors.

Based in Essex and operating across London, the Southeast and the Home Counties, our mission is to provide the highest quality of service possible to our clients, with a consultative approach and our 'can do' attitude. With over 30 years' experience, our specialist teams will provide you with all the expertise your project needs and, above all, get the job done.

Over the decades, we have expanded our range of specialisms and set up dedicated divisions to reflect our expertise.

Whether you're looking for Painting Solutions, Passive Fire Protection, Surfacing & Coatings, Landscaping, or an integrated mix of services, our professional teams are always on hand to work with you on your projects.

#### Why choose us?

Our clients know we're not salespeople. We are experienced workers who have all started in junior positions and worked our way up, from the labourers to the Managing Director. We know the length

of time things take, the problems we need to overcome, what's achievable and what's not. And we'll always be honest with you.

The TPG ethos combines a common-sense approach with a 'can-do' attitude. We fully understand our clients' needs and service them in a way that fills them with confidence, often inspiring them to request other services from us.



We will always go the extra mile and, most importantly, get the job done to your complete satisfaction – no exceptions. This is our promise to you: Service Without Compromise.

Contact  
T 01277 841415  
[info@thetpgroup.co.uk](mailto:info@thetpgroup.co.uk)  
[www.thetpgroup.co.uk](http://www.thetpgroup.co.uk)

### Werner celebrates 100 years of innovation

Werner, a WernerCo brand, is celebrating 100 years of innovation, quality and safety in 2022 as the world's leading manufacturer of ladders and access equipment.

Founded in 1922, Werner has grown into a global brand with distribution in Europe, North America, Asia, Australia and New Zealand. Werner's extensive portfolio includes ladders, access towers, work platforms, accessories and fall protection equipment including harnesses, anchors and fall protection kits. With an ongoing commitment to product innovation, the company holds over 600 patents and has received notable industry-leading awards and accolades over the years.

Justin White, managing director of WernerCo UK, said: "Our main focus has always been innovation, and pushing change within the industry by improving work at height safety through both our exceptionally safe products and internal and external training initiatives. As the Werner brand looks towards the next 100 years, we will continue to provide high-performance, innovative products that customers can depend on."

This summer, WernerCo is proud to be unveiling its Ladder Safety Campaign, which will promote best



practices when working at height. The campaign includes a coordinated online and onsite approach with Werner offering training to professionals and customers for the use of ladders and towers, covering do's and don'ts for ladder users and how to inspect ladders correctly.

Justin added: "Through our innovation we will continue to provide products that ensure the safety and performance for users, and lead the growing trend in safety awareness by educating end users about ladders and promoting ladder safety."

For more information, see below.  
[www.wernerco.co.uk](http://www.wernerco.co.uk)



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# For all of your timber requirements from large to small

If you are looking for first rate craftsmanship for your bespoke carpentry requirements, then look no further than Truro-based Timbabuild Structures. The amazing range of services on offer and the superb quality of the work, has prompted us to select Timbabuild Structures as the recipient of our Timber Build Products & Services Award.

The company was set up in 1991 by Managing Director Paul Harvey. Paul commented that, "I started out in the construction industry as a site carpenter back in 1989 and opened my own business following the completion of my City and Guilds Advance Craft Apprenticeship, under the name of P Harvey Carpentry and Building, then I changed to Timbabuild Structures in 2020."

Using the tagline 'I don't believe in quantity, it is quality of service and quality of goods that counts', Paul has worked to develop the business into a wide-ranging timber manufacturing company, that can provide anything from a one-off shelf or garden gate, through to a multisite unit. Timbabuild Structures can cater for all of your structural requirements.

Timbabuild Structures has a very clear business objective, that is to provide fully bespoke timber builds for its clients, including things that customers would struggle to find either on the high street or online. The company offers to build all things timber, including bespoke garden rooms, offices, gyms, games rooms, bars, gazebos, decking, furniture, ponds, recycling points, planters, and gates, as a basic list. However, if you require something a little different, then Timbabuild Structures has the skills to build it! Everything is purpose built and handmade for clients. This is the secret



Paul reiterated that the individual product tailoring offered by the company is crucial, "we just do what the client wants, we are working for them, to give them what they want, not what we want. After all it's for them, not for us. As long as it is legal, complies with regulations, and is possible, we will do it."

Paul commented that the company's method of dealing with their clients



personally, helps it to stand out from other similar businesses. He said that, "we provide a fully open and transparent operation from start to finish. Our clients get to see all of the quotes, invoices, reports, a daily site diary, images and videos - everything connected with their project, nothing is hidden."

Timbabuild structures work transparently, sharing everything to an online sharing folder, which clients have full access to. The folder contains a programme and schedule of works and information, all available for the client. There is also a fully open finance tracker, which contains all of the transactions associated with the project. Whatever the value of the contract; Paul and his team take a personal approach to ensure that they deliver exactly what their client needs. The company offers custom made solutions, providing sketches, and creating designs to ensure that every client receives the right solution, based on their individual requirements.

Each property that Timbabuild Structures build, goes through what the company call a 'Dry Fit' process in its workshops. This very important procedure guarantees a 'right first time' benefit for the client, as when it arrives on site all tweaks have been eliminated in the workshop. Continuing the company's open-door policy, Timbabuild Structures also operates a system in which clients can prearrange an appointment and watch their ideal dream build, come to life. Thanks to this, the client has full control and can implement any changes, at any stage throughout the whole process.

Looking to the future, Paul is very pleased to be taking on a new apprentice to help to develop the work further. Due to the COVID-19 lockdowns and restrictions, the company saw a significant increase in clients wanting to spend money on their own homes. This provided an upturn in sales and business, enabling the company to continue to grow and expand.



One of its latest expansions include within its team, with the recent appointment of an apprentice which will enable the company to continue expanding and gain even further opportunities for developing their products.

Indeed, the surge in sales and expansion of its team, has helped to position the company firmly at the forefront of its industry, and made them a worthy recipient of our Products & Services award. Paul stated that Timbabuild Structures are very pleased to win this award, and it is a testament to the company's hard work, adding that, "we are very proud to show it off, as it proves that we care about what we do. As we look to the future, our intention is to keep doing what we are doing and to keep providing a great service for our clients."

For further information:

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www.timbabuildstructures.co.uk

# Commercial Hot Water – Balancing Continuity With Innovation



For more than fifty years, Adveco has been a leading innovator in the provision of hot water (DHW) for commercial scale projects across the UK. Today its focus is shifting to encompass a blend of traditional and new, more sustainable technologies in the form of solar thermal and especially heat pumps to integrate greater sustainability into DHW systems.



With a predicted one-third rise in non-domestic floor space by 2050, much of the current focus resides on new builds, but this still leaves more than 1.6 million pre-existing non-domestic buildings in England and Wales, generating almost one-fifth of the UK's carbon emissions, needing expert, practical support.

Air source heat pumps (ASHP) have become the poster child technology for the government's net zero strategy. The advantage of ASHPs is that, with a performance greater than 100%, they can extract additional energy from outside of the

building's metered systems delivering significant carbon savings. For a commercial DHW system, it is recommended that a working water temperature from the ASHP, such as Adveco's FPI32 or L70, must be at least 55°C. This is certainly attainable from current generation ASHPs when deployed in a hybrid approach. This uses the ASHP as preheat and combines it with either gas-fired or more preferably an electric top-up to achieve the required hot water temperature. This is where the additional system complexity and cost can creep in. But by correctly balancing a system through a mix of physical spacing in the vessel and system monitoring with dedicated controls, as developed for the Adveco FUSION, the system no longer fights itself, working seamlessly to deliver the highest operational efficiencies

In line with European Commission proposal for a tightening of F-Gas regulations, development work continues at pace to support introduction of R290, or propane as it is more commonly known, as a new refrigerant offering a coefficient of performance (COP) that should enable working flow temperatures from an ASHP of up to 75°C and potentially much higher. This means future commercial systems can be less complex, without the need for additional electric immersion for high-temperature flushing for legionella protection. That said, immersions or more likely electric boilers will continue to be specified to provide system redundancy ensuring business-critical DHW demands are met.

Together, these technologies offer a potential development arc for existing commercial properties that are currently on-gas, but there also remain other more traditional options that can more cost effectively enable businesses to begin a net zero transition. The government's Heating & Buildings Strategy puts in place a process to phase out installation of new natural gas boilers from 2035, with a caveat that the costs of investing in low-carbon alternatives have been suitably reduced. There is also to be a consideration for replacing natural gas with alternative low-carbon fuels, whether biomethane or hydrogen injection into the gas supply.



The government has already committed to enabling the blending of hydrogen in the gas grid and it is also worth noting that the latest generation of direct-fired condensing water heaters and boilers should already be able to support initial 20% hydrogen/natural gas blend.

Though limiting new gas grid connections for heating systems becomes effective this year, this mandate does not apply to already connected buildings. For the time being, if a business uses gas, then it can upgrade to new gas appliances up until 2035, with 100% hydrogen-ready options extending that window well into the 2040s based on current appliance lifespan.

modulation ratio resulting in improved combustion efficiency meaning the burner requires less gas. This condensing technology delivers up to 30% savings in fuel consumption, making it more cost-effective, while reducing emissions. For smaller on-demand needs, ADplus heats only what is what is necessary, with no ignition for smaller withdrawals providing considerable additional energy savings. Both AD and ADplus as a result exhibit ultra-low NOX (Class 6 appliance at 27 mg/kWh) and CO emissions (19ppm).

The water heaters all feature either a single or multiple heat exchangers for built-in redundancy. Constructed from a tough, continuous run of AISI



If upgrading a boiler of water heater, you can still specify, for the next ten years, a condensing gas-fired appliance without fear of breaching new regulations, so long as the new unit is more efficient than the unit being replaced. This provides a safety net while assessing new technology options prior to the 2035 deadline. It would also be well worth considering the implementation of solar thermal preheat for gas-fired systems if you wanted to make sustainability commitments with proven and genuinely renewable technology.

316Ti titanium-stabilised stainless steel, they are a perfect response to counter corrosion typically seen in high pressure circuits in soft, or softened water applications.

As well as the continuity of service seen in individual units, the AD is perfect for integrating into large scale heat pumps systems. So long as there is an existing gas connection, AD can be used to provide a cost-effective and easy to accommodate back-up for assured continuity of business-critical water heating.

[www.adveco.co](http://www.adveco.co)



Recognising this need for more efficient gas-fired water heaters to bridge the technology gap for existing commercial properties, Adveco has developed two new ranges of direct-fired condensing water heaters – the AD and the ADplus. Both ranges provide a compact, floor-standing design that is easy to introduce into an existing plant room. The AD range, with 70-280 kW variants is conceived to be used with a buffer for high demand semi-instantaneous hot water applications in sports & leisure centres, hotels, spas, schools, stadia, and large commercial buildings. The ADplus range, with 70-140kW variants additionally incorporates an integrated 120-litre stainless steel water storage tank. This enables the ADplus to serve as a semi-storage system, providing always available and instantaneous supply with quick recovery times for large-scale continuous provision of DHW.

The Fecralloy burner, with excellent functionality at extremely high temperatures exhibits a high



# Innovative products to enable fixing through external wall insulation



SWIFIX was established in 2016 by Paul Brown who designed and developed a solution that allows the future of retrofit new builds and volumetric sectors a longer-term maintenance provision. In his early years, Paul started out as a plasterer who specialised in the restoration of ornamental plasterwork. 29 years ago, after being introduced to the installation of external wall insulation through working for a small Devonshire company, he built-up extensive experience working across numerous directorships within business delivering external wall insulation and decent homes maintenance, as well as gas, electrical and renewable services.



For decades the standard method of fixing items through external wall insulation has always relied on the use of timber pattresses. A pattress is a plywood or timber board fixed to the existing substrate to which equipment can be secured. Such usual equipment includes satellite dishes, washing lines, fence and gate posts, external pipe work, hanging baskets, lights and alarms, canopies, utility boxes, and signage.

After searching online for an alternative to using timber, Paul found that there was nothing cost effective designed specifically for external wall and cladding application. Therefore, he created the SWIFIX range which is an innovative simple solution that delivers a commercially beneficial alternative to timber that not only compliments the finished installation but provides a solution for retrofitting during the life span of the system.

SWIFIX products are noted as one of the most cost-effective solutions to enable the fitting of external furniture through external wall insulation and rain screen cladding, and are specifically designed for the job in hand. SWIFIX products come recommended from a number of leading system designers across



the UK and Southern Ireland and not only protect your warranties and guarantees but are compliant with the required PAS2035 standards for quality. "Our products are the most cost-effective solution for retrofitting and fixes heavier weights than any of our competitors, especially now timber pattresses are not acceptable under the new pas2035 requirements," stated Paul.

SWIFIX current product range includes connection point fittings, extension tubes, pipe connectors, rawplug fixings, satellite fitting plates, single fittings and tap fittings. All products offer a maintenance-free solution to fixing items back through external wall insulation systems, either before or after the insulation system has been installed. All SWIFIX fixings are designed to eliminate the risk of cold spots and water ingress when installing external furniture through external wall insulation which ensures that the system continues to function optimally, and the thermal efficiency of the system is maintained. Each product is manufactured in a standard material and also available in a fire-retardant material and suitable for both lightweight and heavyweight items tested in excess of 50kg.

"We are always developing new products based on client requirements, and we are really pleased to announce that we are now a Tier 1 supplier to SKY for our innovative Satellite Fixing Kit through External Wall Insulation (EWI)," stated Paul.



The Satellite Fixing Kit includes a new product development for securing cables, and will be available to the market soon. Within the kit is the SWIFIX Satellite Fitting Plate which is manufactured from high-quality plastics and is used for refitting a standard satellite dish through EWI without the need for timber, providing a completely watertight seal to fixings and cables. As well as being aesthetically pleasing, the plate fittings have been tested by the British Research Establishment for their strength, compression, wind and load-bearing capabilities.



Each product within the SWIFIX range is highly robust, technically better, and unique to the market. Easy to install and maintenance free, they are the perfect choice for customers who work within Architecture, The Modern Methods of Construction Sector, Homeowners, Local Authorities and Registered Social Landlords, Contractors and Installers, and System Manufacturers. It comes as a true mark of quality, when a company has an accolade of awards and accreditations to its name.



SWIFIX has been the receiver of many well-respected awards that have not only helped to boost its reputation but have defined its credibility amongst customers and stamped its authority on the market against any competition. Such awards include Inca Innovation award winner 2021, Housing Innovation awards shortlisted 2017, Energy Efficiency Healthy Homes national awards finalist 2017, National Energy Efficiency awards 2016, Travis Perkins Innovation awards shortlisted 2016, and Architects Journal Retrofit Product Innovation award finalist 2016.

Looking ahead, we asked Paul what plans the company had for the future, he answered. "We shall continue to develop our brand and suite of products for the UK decarbonisation agenda and get into the EU as they are unique to the sector and the insulation market in the EU is a lot larger than the UK."

For more information, see below.

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# Steel Construction Specialists

Clarke Construction Essex Limited (CCEL), based in Essex was founded in 2009 by owner David Marriott, and has since built up a wide portfolio of services and an excellent quality of service to all customers.

David commented, "while our work is mainly steel related structures and architectural projects, we do tend to diversify and we also work as the main contractor on some limited projects."

CCEL's wide range of products and services that are available to clients include bespoke design, creative roof design and complex structural & architectural structures. This diversity is possible because the company guarantee high end results in every project which it undertakes, David expanded "our association with structural engineers, draftsmen and specialist factories enable us to provide such diverse services. These range from design and construction of the steel structures through to design and production of bronze railings, stairs and balustrades."

CCEL site team are specialists in heavy and contract lifting, as well as rigging and the erection of steel structures. The company offers a full construction service as a one stop, and this adaptability has enabled it to add further services to the selection of facilities in which it now specialises. These include steel sculptures, architectural metalworks, and glass systems.

In 2014 & again in 2021 CCEL were employed to handle high value specialist equipment into an existing building, this project required the company to design and install a high weight bearing temporary scaffold loading platform, as well as removing, then replacing external cladding before moving the equipment into the building. This project required logistic coordination and detailed lifting plans in advance, and CCEL successfully facilitated coordinated transport & handling of the equipment, geometric scanning of existing structure to integrate new designed support steel and services.

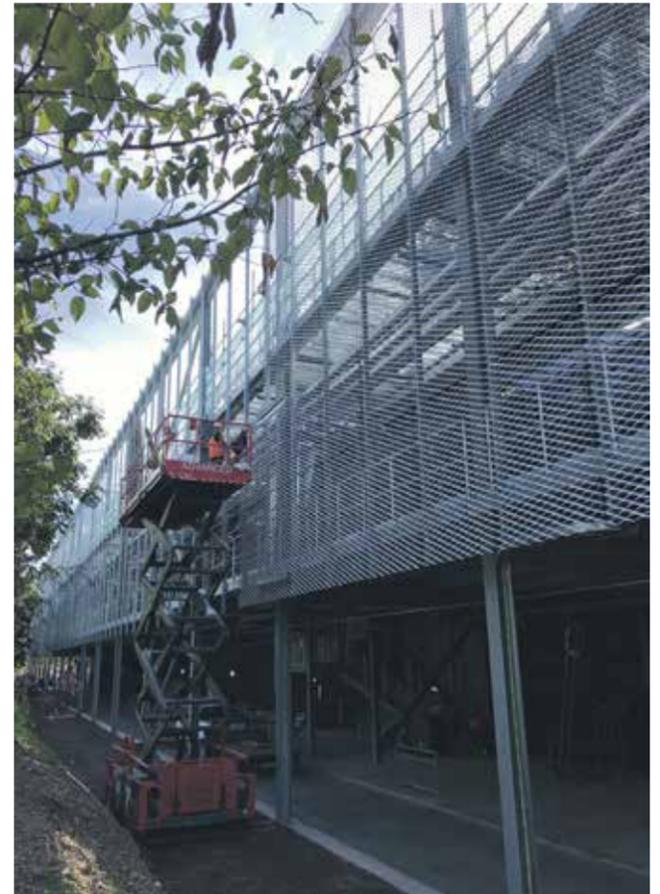
In September 2012, CCEL undertook one of its most rewarding projects when the company was involved in a venture which gave for the first time electricity and water to a village in Kenya. The village of 3000 people were without both, when two trucks from the UK arrived, and seven days later the lights came on. CCEL remember this event as, "an enormously satisfying moment for the whole team."



An unusual roof design brought a number of challenges for the main contractor, CCEL were contracted, The roof made up of different coloured tiles on a curved and shaped panel, CCEL designed, built and installed the sub structure for Brighton College in 2015. This task required a full geometric survey of the preceding roof, to which the CCEL detailed and built the sub structure to support the prefabricated tiled sub frame assemblies. As part of the package CCEL designed and manufactured the lifting and handling equipment that allowed this specialist installation to be undertaken for the final roof structure.

CCEL are a company that specialises in diversity, therefore in 2015 it was called upon to facilitate the specialist removal of an important art work "Seizure" by the artist Roger Hiorns from a building in Elephant & Castle. The Art work had to be carefully removed from the inside of an dwelling building requiring strengthening the existing art work structure and then to move it onto a purpose on site constructed transport carriage before being lifted onto a lorry using a 220-tonne crane. It was then removed from its old home to its new home at the Yorkshire Sculpture Park.

Understandably CCEL take Health and Safety very seriously as the company undertakes high end projects with heavy machinery to the fore. CCEL has CHAS certification alongside the necessary accreditation to the requirements of the CDM regulations. This means that clients can engage with the company knowing that the Health and Safety of both customers and the workforce is paramount to the organisation.



CCEL has received many positive reviews from previous clients whose comments include, "I cannot rate Clarke Construction enough, they are professional and go the extra mile," as well as "thank you so much for your work, it was very reassuring to see the work done so well by a company that knew exactly what it was doing!" Proud to class the end client as its target audience rather than just only builders - this statement justifies the work that it is doing and proves the high quality of customer relationships that have been built.

For further information:

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# Keep your property and possessions safe and secure

It sadly remains the case that theft and break-ins to property remains all too frequent and a key issue for all.



If anything, the stats show that, in some areas, crime rates have materially increased in the last couple of years. Residential properties and business addresses remaining frequent targets.



The growth around second homes, including lodges, park homes and caravans, has influenced these rates. There are also reports that a downside to the rise in staycationing has also been an increase in crime statics.

The impacts here go beyond the obvious distress caused to financial losses, as well as reputational damage for businesses as well as the increasing costs of insurance faced by all parts of the chain.

As a result, property owners and occupiers are taking steps to combat theft and damage by making it harder for theft or damage to occur. Specialist security businesses are also leading the fight.

One such business is Securian Industries. Securian designs and manufactures a range of easy to use door security devices. This is not the usual locks and chains. No, Securian's products are discrete door handle bars and door stops that keep a door protected whilst also being fast to install, fast to deploy and stylish.

Greg Allsopp, a director at Securian Industries explains more. "The business as a whole grew out of the rising rates of theft and criminal damage seen in the midst of 2020's lockdown. Properties of our own were affected too. We therefore set out to provide a range of cost-effective and simple products that help to mitigate these risks. All of our products have been designed to be installed in minutes, deployed to work in seconds and not require padlocks or keys that can be easily lost or can be difficult for some to use. It was also important that our products were attractive – there are plenty of industrial looking solutions out there but these do not necessarily fit with the decorative or lifestyle looks our customers are aiming for. Our products are therefore discrete, stylish as well as working beautifully too."

The range includes double/patio and single door bars that lock in place to prevent handles and locks being broken, and slide or drop in place door stops that can withstand significant forces to deter even a determined burglar.

Mr Allsopp commented, "Our products are being bought by home owners, business occupiers, leisure providers, care home operators and schools amongst a wider range of sectors. This just goes to show that keeping our property and possessions safe is an issue for everybody. Along with our stockists and distributors, we are pleased to be able to give customers a cheap and effective route to mitigating the risks from theft and break-in."

Securian Industries reports that it's actively seeking stocklists and distributors around the UK and Ireland with a network of stockists growing all the time and with increasing numbers of its products available for customers.

T 0330 333 7279  
[info@securian.store](mailto:info@securian.store)  
[www.securian.store](http://www.securian.store)

# The 5th Room

As outdoor living trends grow, the garden is swiftly becoming "the 5th room" where homeowners can relax, connect with nature, and focus on well-being. You need to get the details just right for the perfect outdoor living space: complementary colours, a smooth finish and quality materials.

Since its launch in 2010, EASYJoint from Azpects has been a market-leading jointing compound loved by landscape professionals and the DIY sector alike. The all-weather, sweep-in jointing compound is a quick, effective, and attractive way to fill joints between paving.

As paving trends develop, products need to evolve



with them. EASYJoint has done precisely that with the new EASYJoint Select range of solid colours, featuring Tungsten, Carbon, Bronze, and Jet Black. The solid colours provide a more uniform, modern

finish compared to the natural colours of the original EASYJoint range. EASYJoint Select is suitable for porcelain or natural stone paving and retains the sweep-in application method that made EASYJoint so popular.

Associate Director Jeff Carter comments, "Azpects are excited to see our EASYJoint range continue to grow, with eight products now in the family. We pride ourselves on keeping up with the latest trends in the marketplace and do not doubt that this bespoke range of colours will satisfy our users' needs."

To find out more about the EASYJoint range, visit [www.azpects.co.uk](http://www.azpects.co.uk)

**Don't Just Joint It, EASYJoint It!**

**Azpects**

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## KEEP YOUR PROPERTY AND POSSESSIONS SAFE AND SECURE

MX-3 DUAL POSITION DOOR JAMMER

PX-4 SINGLE HANDLE FRENCH DOOR BAR LOCK

MX-1 DOOR JAMMER

PX-3 FRENCH DOOR BAR LOCK

MX-2 PIN DOOR JAMMER

# MAC Cabins

MAC Cabins Limited is a fast-growing Timber Building company based in Okehampton, Devon, with over 30 years' experience in the construction industry. Proud to be the providers of one of the largest selections of: Timber Buildings, Log Cabins, Leisure/Holiday Cabins & Glamping Pods, in the heart of the South West of England.

To compliment the extensive ranges of timber buildings, MAC Cabins also offers a vast variety of other Timber Frame & Modular Frame options, providing one of the widest selections of timber building options, within the market-sector.

For all timber frame styles, MAC Cabins works with



self-build and custom-build projects, where the initial design has already been completed with architects. We help to guide small to medium-sized developers, on sites of 1-30 plots, to identify the best

way to convert vision into reality.

MAC Cabins continues to expand its vast portfolio of designs and build options, allowing you to select the perfect combination of style, size and price, confident you will find the perfect selection to meet your growing demands.

With every building you will receive a structure that has a higher standard specification than most other comparable products.

T 0800 999 1564  
[help@maccabins.co.uk](mailto:help@maccabins.co.uk)  
[www.maccabins.co.uk](http://www.maccabins.co.uk)



## MAC CABINS LIMITED

Modular • Artisan • Contemporary

Providing one of the largest selections of Timber Buildings, Post & Beam & Timber Frame, Log Cabins, Leisure/Holiday Cabins & Glamping Pods in the heart of the South West of England.

## MAC CABINS LTD

Bringing you the widest selection of:

Glamping Pods, Log Cabins, Timber Lodges, Traditional Post & Beam and Timber Frame Buildings throughout the South West of England.

All our cabins, pods and timber building ranges are extensive in design, layout and configuration and offer many different styles of accommodation.

Facebook Twitter Instagram Pinterest

0800 999 1564

[maccabins.co.uk](http://maccabins.co.uk)

MAC Cabins actively supports & promotes the use of Timber as the most environmentally sustainable material for the construction industry.

## Looking for quality landscape & building materials from a trusted supplier?



Established in 1998, Stone Zone and Landscaping Centre are a nationwide trade supplier, offering quality landscaping and building materials at trade prices.

Recently being awarded with the Gold Trusted Service Award for 2022, this family-run business offers a 10% discount to Trade card holders and fast delivery.

The Stone Zone has supplied materials to National Trust Parks, Caravan Parks, Housing Developments, Golf Courses, The Tower of London and many more affluent settings!

Now proudly supplying a 'Developers' range, the Stone Zone offer stunning porcelain paving products designed for newly-built homes, at affordable prices.

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# WernerCo urges tower safety following UK restrictions lifting

WernerCo, the leading access equipment specialist which manufactures BoSS® towers, is urging workers and employees to carry out PASMA training to ensure the safety of professionals working on-site as restrictions are lifted across the UK.

Falls from height remain one of the biggest causes of workplace accidents, with the construction sector accounting for a significant proportion of these, so ongoing training is essential to ensure safe work at height practice when using towers.

Sophie Ellam, Product Manager for WernerCo, comments, "With lockdown and a reduction in



construction output over the past year some workers and employees may not realise their PASMA cards may have expired. Also, with output increasing, more companies will be

looking to take on employees, some of whom may not have had the appropriate training.

"PASMA training remains safe to do so with the current restrictions in place and there is a range of courses to ensure employees are fully qualified and up to date with the latest guidance."

The PASMA accredited Towers for Users course is designed for those who are responsible for specifying, assembling, dismantling, using, altering, moving and inspecting access towers. The course runs for one day and provides both theoretical and practical training on tower legislation; PASMA codes of practice; hazards

associated with using mobile access towers; and what should be avoided.

PASMA training has continued despite even the toughest social distancing restrictions this year, with accredited training centres and instructors keeping courses COVID-secure for everyone who needed them, especially in sectors like construction, national infrastructure and maintenance.

**WernerCo is an approved PASMA training centre and offers industry standard training programs on the safe use of mobile access towers and low-level access equipment. For more information visit: <https://www.bossacesstowers.com/services/training>**



## SAF Woodland Management

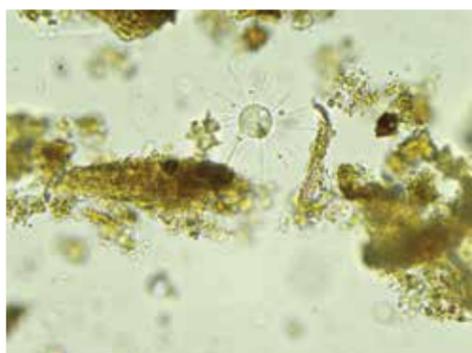


In the 1960s Maureen Iddon was a pioneer of the post war era. Her decision to start a plant nursery, earned her a reputation in growing and breeding rare herbaceous plants that spanned more than 30 years, including exhibiting at national Royal Agricultural and Horticultural Flower Shows. Observing plants, nature and creating a healthy growing stock has been the bedrock of the family business across three generations.

Grandson Daniel Iddon switched the family nursery to trees in 2019. Growing healthy plants is essential, but the challenge is whether we can grow trees to also suit their planting environment. This challenge drove Daniel to relocate his nursery operations to his woodland in Pembrokeshire. Planting trees from the growing trials in his woodland, he noticed how the trees were changing outside of the carefully controlled environment (soil moisture, air humidity, chemical food source), adjusting to the new climate local to the woodland with an abundance of bacteria, fungal species and microbes in the soil.

During growing trials to support the SAF Woodland investment in the Ellepot growing system, opportunities for improvement in the growing medium was identified. SAF Woodland are now developing a living soil to bring the woodland environment into the nursery. The research is being funded by The Forestry Commission Tree Production Innovation Fund (TPIF) in 2021 that has been designed to encourage the development and adoption of new technologies and ways of working that will enhance the quantity, quality and diversity of tree planting stock available for planting in England. By 2025, the government is seeking to dramatically increase tree planting to 10,000 hectares per year in England. To meet these planting targets domestically will require a corresponding increase in the UK production of tree planting material.

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## SJH Carpentry: Carving the future

SJH are a fairly young company having commenced trading in 2016. Stuart, the Managing Director of the company has over 20 years' experience working in the construction industry, mainly in the residential housing market. During this time, he has gained a wealth of knowledge and experience, which he is now investing into his own business. SJH always look to take on apprentices, as these are the guys that will be the future of our industry. We currently have 3 and are taking another one on in September.

We currently work for a number of national house builders and bespoke residential developments. Our ethos is to provide quality workmanship with the use of skilled and well incentivised tradesmen, taking care to employ the best people possible for our company



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We have another new recruit and welcome Jade Stagg to the Sales Team so please do give us a call or email, we'll be happy to discuss your requirements.

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# Vandecasteele Houtimport receives the Voka Charter Sustainable Entrepreneurship (VCDO) certificate for the 21st time in a row!

Last Wednesday, the 29th of June, we attended the inspirational award ceremony of the Voka Charter for Sustainable Entrepreneurship. The award is a recognition of the sustainability efforts of the participating companies. We received our award for the 21st time, along with 38 other West Flemish compagnies.

to the 17 Sustainable Development Goals (SDGs) of the United Nations and thus has an international frame of reference. The external validation and the structure of the VCDO support companies in making efforts to embed sustainability in their business strategy.

The balance of all sustainability aspects, ranging from the well-being of employees to

the environmental impact of the company, is more relevant today than ever. We are also nominated SDG Champion with our strategic transition project "trading 100% certified wood by 2025". Thank you Voka for an exceptional evening!

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

International reference The VCDO is linked



from left to right:Stefaan Vandecasteele owner, Geneviève Standaert – Export Manager, Isabelle Polfliet – Compliance

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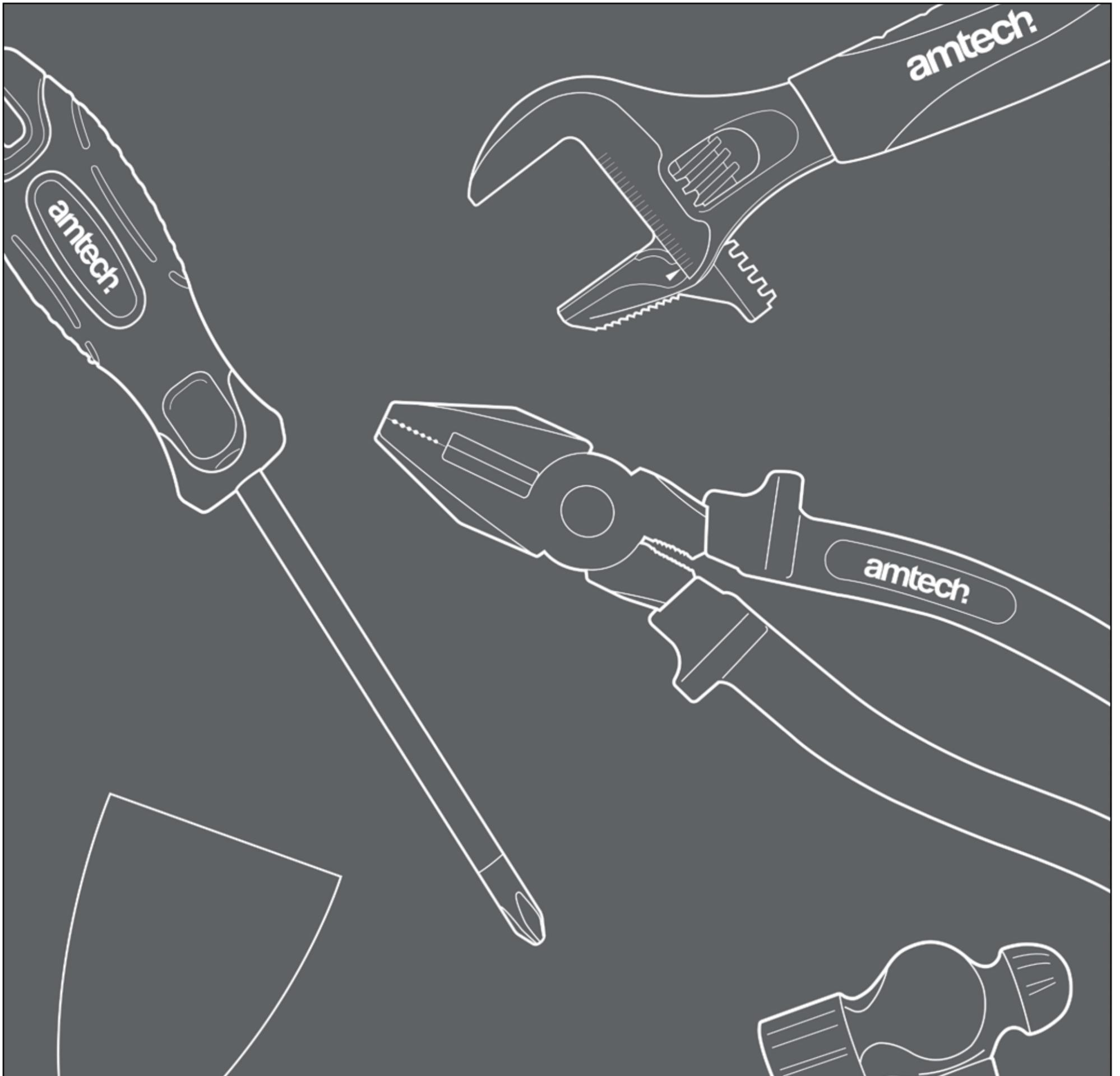
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# The trades home for exceptional quality and value tool ranges

DK Tools Limited is a family-owned company which was established by its current Managing Director, Deepak Kalra in 1986. From humble beginnings, Deepak started out selling hand tools from a market stall in North West London, which still exists today and is occupied by one of the company's longest serving customers.

Expanding significantly, DK Tools Limited now manufactures and distributes hand tools and power tools for the home improvement industry. The company sells directly to a network of Wholesalers, Retailers and Builders Merchants under the Amtech brand.

With quality assurance being of the utmost importance for DK Tools Limited; the company provides a dedicated technical support service for end users of its products, as well as a 3 year, no quibble, warranty replacement service on all hand tools. DK Tools Limited also provides an excellent customer service team, who have been awarded 5 stars consistently on Trustpilot. The company is also a proud member of the British Home Enhancement Trade Association (BHETA) and related industries, such as buildings and construction.

In terms of recent developments for the company, DK Tools Limited is proud to have been recognised

developments are planned to future-proof the business and enable DK Tools Limited to meet the evolving needs of its customers and consumers.

Another acknowledgement for the company, was through its commitment to consistently deliver operational excellence. This has been recognised by The Business Magazine for the company's continued operations during COVID-19, to pick, pack and deliver throughout the COVID-19-related lockdowns and the 'BOOM' in home improvement.

"Our products regularly win awards for innovation and quality, while we continue to offer our trade



"We also provide retail ready display solutions to merchandise our products on and we have a dedicated customer service team for all our trade customers. We also have an award-winning ecommerce platform for business-to-business users, but you can also place orders via WhatsApp, Telephone or Email to make trade transactions easier!" stated Ishan Kalra, Operations Director

DK tools Limited maintains over 2000 products, offering exceptional quality and value for money. This is further bolstered by fast and efficient delivery, flexibility to order products in singles or inner and outer box quantities, and 24/7 access to DK Tools Limited's award-winning website, enabling businesses to manage all their account activity in one place.

for its hard work and innovative products, receiving numerous awards for both its products and people. These have included: Lighting and Electrical product of the year, Hand tool and Accessory of the year, Industry personality of the year, DIY product of the year and has also won 'E-commerce Solution of the Year for its trade website (dktools.com).

More recent developments include the company now becoming an ISO 14001 accredited tool company, which will help the company continue to work on reducing its environmental impact going forward. The company has also undergone a digital transformation, with new product information management systems, as well as growing its team and adding additional employees. These recent

customers exceptional value for money," said Ricky Johal, Head of Marketing.

As the company looks ahead, DK Tools Limited maintains many plans for its future.

Ricky added, "we are expanding our product offering across the Builders Merchants channel, as the Amtech brand offers the quality and value that trade customers need during the current economic climate. This will include core construction and building ranges for interior, exterior and garden work, including bricklaying, carpentry and plumbing tools, as well as, measuring and workwear."

In the long-term, DK Tools Limited plans to continue

to innovate through its award-winning range of Amtech products and also continue to evolve its services for its business-to-business clients. This dedication to its clients is reinforced through its multitude of reviews and recommendations, and its commitment to consistently adapt and provide innovative products for its clients.

**If you would like to find out any more information on the company, please see the details below:**

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# New small duct heating and cooling system set to tackle rising temperatures in UK homes

A new small duct heating, cooling and ventilation system by US manufacturer Unico Systems has been launched in the UK.

The Unico System, which is installed in half a million homes and businesses throughout the US, provides heating, cooling and ventilation along with improved air quality and well-being.

The decision to make the Unico System more widely available to UK residents follows a series of record-breaking summers, as well as increasing demand for greater climate control.

The near silent, system, which operates at under 30 decibels, uses aspiration to deliver draft free heating and cooling ensuring temperature differentials are no greater than one degree throughout the home.

Richard Soper CBE, of Unico Systems UK, said, "The US is used to much larger variances in temperature, meaning that domestic ventilation and air conditioning is often installed as standard. As a result, the Unico system is fully adapted to the needs of domestic properties; providing effective climate control, but also operating at a barely audible sub-30 decibels. For self-builders and renovators this provides a unique opportunity to give

occupies the same level of climate control and comfort that they've come to expect in cars, hotels and gyms, no matter the season."

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## Buy Quality, Buy Once

Strand Hardware is urging customers to apply the "gold standard" for safety and durability.

BS 8613 specifies requirements and test methods for durability, strength and effective function of finger protection. This includes assessment of durability and effectiveness applied to conditions and temperature. But not all products sold in the UK meet this standard.



As the UK's market leader in the supply of quality finger protection, Strand Hardware only stocks products that 'meet the mark'.

Said Strand Hardware's Sales Director Craig Fox: "None of our stock can be defined as 'one product fits all'. Our extensive range provides a range of devices for various door materials and applications. We prefer to work closely with customers to provide the ideal solution for their project needs.

In addition to product durability - some products come with a lifetime guarantee - there are other benefits to buying quality: bespoke sizes for items up to 2500mm and special RAL powder coated finishes for customisation.

Often buying choices come down to budget but safety should never be compromised, added Craig.

In premises that are used by the public - especially children, the elderly or vulnerable adults - retail establishments, schools, hospitals, care homes and health centres it is essential to minimise risk.

When it comes to the development and management of commercial buildings, risk assessment and identification of appropriate solutions is essential.

The standard is a benchmark to which professionals can refer, fulfilling a duty of care with an understanding of appropriateness and performance values. It also assists manufacturers to design fit-for-purpose products.

There are various types of finger protection devices available, some are integrated within the door system, others cover the gap between door and frame.

For more information on finger protection or assistance with specification

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# Cobham House

Situated in the charming county of Surrey, Cobham House proudly sits amongst its distinguished neighbourhood and towns. This family project has successfully transformed the entirety of the property and with the help of Havwoods, the home exudes a contemporary style in every room.

To complement the neutral colour palette and monochromatic décor scheme, Havwoods' Ferro Block flooring in Herringbone from The Italian Collection

was chosen. Installed throughout the ground floor, the boards flow elegantly from the main entrance to the living room and study, with the timeless herringbone design adding texture and dimension to the large space.

The soft tones and warmth of the wood pairs perfectly with the natural light which flows between the rooms. The white skirting provides an interesting contrast against the dark black furnishings and gentle colour scheme in the hallway

and home office, creating a soft yet impactful front hall entrance. In the living room, the deep sage green walls and statement blush sofa pair well with the softness of the wood, recreating a traditional colour palette for a modern home. Providing long-term durability and exceptional quality, The Italian Collection products by Havwoods are suitable for any interior.

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# Welcome back Matt



GEZE UK is delighted to welcome back Matt Gregory as Specification Manager for the north.

Matt will be responsible for assisting architects and specifiers with compliant solutions for all products in the GEZE range which includes automatic doors, window technology and manual overhead door controls.

In addition, he will produce detailed and risk assessed NBS specifications which are supported with BIM objects and present GEZE's RIBA approved CPD to help architects and specifiers expand their knowledge.

Matt first joined GEZE in 2017 and after a spell outside the industry he returns to the company bringing with him extensive knowledge of entrance systems and automatic doors from his time as Automatic and Industrial door engineer and previous sales management experience.

Matt said, "I am pleased to be back working with GEZE and their respected and varied product range, they have a strong brand and excellent reputation in the door industry. I look forward to working closely with architects and specifiers, creating strong collaborations with them and providing a quality service."

Richard Richardson-Derry, National Specification Manager added, "It's great to be working with Matt again, he brings enthusiasm and extensive experience to the team. He will be an important part of the company's continued growth."

For more information about GEZE UK's comprehensive range of automatic and manual door and window control products, visit: [www.geze.co.uk](http://www.geze.co.uk)

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# What do the new building regulations mean for timber windows and doors?

The latest changes to building regulations are designed to achieve three main things: improve ventilation (Document F), conserve fuel and power (Document L) and overheating (Document O). So what does this mean to architects and homeowners when designing and planning new buildings and refurbishments? This article looks at Document F.



## Document F – Ventilation (vol 1 Dwellings)

What is it for? Essentially Document F aims to maintain indoor air quality. Although it isn't designed to protect from COVID-19, the virus has highlighted to us all the need for adequate fresh air in buildings. In the drive for thermal efficiency, we've been asked to keep windows and doors shut, conserve heat and look after the planet for years and this hasn't been ideal for fresh air flow, release of CO<sub>2</sub> and excess moisture.

What does Document F require? The document states "There shall be adequate means of ventilation provided for people in the building". This means supplying a minimum level of outdoor air for the occupants health and the ability to rapidly dilute indoor air (links to Document O).

This part of the building regulations covers all aspects of the ventilation requirements within dwellings.

- ▲ A dwelling is classed as a self contained unit for residential purposes.
- ▲ Buildings that are not dwellings are covered in Approved Document F Vol.2 and are not covered in this review
- ▲ The document separates ventilation requirements for new build and existing buildings

Exemptions Historic and traditional buildings may not need to fully comply with Document F if they are listed properties or in conservation areas but it is always important to check with your local Building Control Officer. Generally, a new extension to an historic building would be

required to meet the requirements though, unless it would be deemed detrimental to the external appearance.

### What will it affect?

New dwellings or material change of use dwellings (for example, warehouse conversion to residential).

One of the simplest ways to meet the requirements is to install trickle vents into the windows/doors which is where companies like George Barnsdale come in. Many of our customers to date have chosen alternative ways to ventilate their homes and opted not to have trickle vents, this is going to need to change.

For architects designing new dwellings this is going to require some calculations to work out the minimum equivalent area of a background ventilator. A trickle vent (ventilator) from George Barnsdale has the equivalent area of 4,600mm<sup>2</sup>. For context, a sitting room or kitchen requires 10,000mm<sup>2</sup> – one trickle vent won't suffice in this case.

Window manufacturers will work to the specifications supplied by architects for new dwellings so the onus is on the architect/developer to get this right.

For replacement windows, which the Government has allowed an extra year for implementation, the responsibility will fall back to the installer or homeowner doing the specification. It is fairly straight forward for a like for like replacement that already has trickle vents as long as the new trickle vent is no smaller than the original. It's worth noting that trickle vents are supposed to be left open if they are going to supply the background ventilation!

For replacement windows that don't currently have trickle vents, the wording of the document introduces the occurrence of ventilation through infiltration:

This is the uncontrolled exchange of air between the inside and outside of a building through gaps and cracks replacing poor performing windows with new airtight ones could have a negative impact on indoor air quality. The only way to avoid using something like a trickle vent is to

demonstrate that the dwelling is "no less satisfactory than it was before replacement windows were fitted". To prove this, you would be looking at a pressure test which is expensive and it's unlikely most homeowners would want to do this.

Trickle vents do affect the appearance of the window but George Barnsdale do their best to minimise the visual impact. The vents are fitted into the top of the frame and are concealed with a head drip.

### Trickle vents are discretely covered with a "head drip"

Standard trickle vents are white but it is possible to colour match trickle vents as an option. If a property is located in a noisy area, near a busy road or airport, a noise attenuating ventilator (acoustic vent) can be used.

A full copy of Document F is available here which covers the provision of ventilation in buildings in much more depth. Always check with Building Control before you proceed with your project.

**All our timber windows and doors can be supplied with concealed vents. Please contact us to discuss the requirements of your project.**

[www.georgebarnsdale.co.uk](http://www.georgebarnsdale.co.uk)  
T 01775 823000



## Curaflex Nova

The Curaflex Nova range from DOYMA, available exclusively from Service Sealing Solutions Ltd:



The Curaflex Nova Uno M/T has been designed to seal pipes and cables that have been already installed, the hinged design makes it easy to install and the replaceable insert means that you can even add services at a later date.

The Curaflex Nova Multi with its modular sealing inserts means that you can install the gasket with the blind plug to seal the penetration completely, then when the service is to be installed the modules can be removed to seal the pipe/cable.

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**Service Sealing Solutions Ltd – suppliers of DOYMA products**

Service Sealing Solutions Ltd are the sole UK distributor of DOYMA products. Wherever services are installed through walls, ceilings or floors, penetrating water may cause damage to buildings. Lack of attention to the points of entry of pipes and cables into the building can have serious results: damp cellars, equipment damaged by water ingress and high repair costs. Service sealing systems ensure professional and perfect pipe sealing, thus presenting excellent preventative measures against structural damage. The very best in German engineering is used to seal penetration points at the wall to permanently prevent any infiltration of gases and water into the building, and the duct sealing systems are guaranteed for 25 years. Service Sealing Solutions supply the full range of products to suit all situations for power cables, communication cables, pipes and ducts, and specialising in sealing district heating pipes.




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If you are looking for an innovative privacy product for your building, office, home or even front of store, then you need to get in touch with D365 to find out how we can help. Since 2016, we have been installing switchable smart film and supplying switchable smart glass to both the residential and commercial sectors. Our switchable film can be retrofitted to existing glazing and gives the client instant privacy at the touch of a button compared to traditional dusty unsightly blinds and curtains.

**CASE STUDY: Bristol:** A client had purchased a large meeting pod and had it placed in the middle of the walkway where privacy wasn't guaranteed. They then opted to use our smart film across the top half



of the glass front for privacy and to keep data safe while also preventing distractions during meetings. The film used was our internal spec and is produced with a transparency of approx. 91% with low angle haze or 'milky' effect. All our work is bespoke and can be site measured where possible. Otherwise we can assist you to take measurements and happily advise the best solutions available for your glazing project.



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# WernerCo to reach new heights with Ladder Safety Campaign



WernerCo, the leading access equipment specialist, has unveiled a new safety campaign – Stepping up to Ladder Safety – to promote best practice when working at height.

The campaign explores how to stay safe on site for both construction workers and health and safety professionals. As part of the campaign, WernerCo has created a series of guides covering topics such as how to use equipment safely as well as offering practical training courses.

To launch the campaign, WernerCo has recently carried out research amongst professionals and non-professionals to determine their work at height practices. The research revealed that when purchasing access equipment, stability and safety are the most important factors when choosing equipment for professionals, secondary to price and value.

WernerCo has also recently become a Gold Supporter of the No Falls Foundation, a charity dedicated to working at height and height safety. The charity has three objectives: raising awareness of the risks associated with working at height; undertaking research into the causes; and providing guidance and support for those affected by a fall.

Justin White, Managing Director for WernerCo UK, commented: "Year on year falls from height remain the leading cause of workplace fatalities and we continually see accidents in the home due to the incorrect use of work at height equipment."

"The research we have carried out for Stepping Up to Ladder Safety shows that tradesmen want to prioritise their safety and as manufacturers we have a duty to advise best practice when using access equipment."

"Our research revealed that 48% of people worry about safety when working at height, that is why we created a series of best practice guides to help users feel more confident when using access equipment. By launching Stepping up to Ladder Safety we hope to encourage users to think about whether they are using the right tools for the job and how they can safely use their equipment to prevent accidents occurring."

The campaign includes a coordinated online and onsite approach with WernerCo offering training to professionals and customers for the use of ladders and towers, covering Do's and Don'ts for ladder users and how to inspect ladders correctly. WernerCo has also recently appointed a specialist Training Manager, Trevor Rabson, who specialises in work at height safety and provides a wide range of on-site training to customers and end users across the country.

Justin added: "We have some really exciting plans in place to bolster the work we've already done to help reduce accidents at home and in the workplace. We pride ourselves on providing safe work at height equipment that goes through rigorous testing and meets all the relevant safety standards and now we want to go that step further and support people when using our equipment."

To view WernerCo's Ladder Safety Guides please visit: [www.wernerco.com/uk/ladder-safety](http://www.wernerco.com/uk/ladder-safety)

To find out more information on the range of access solutions and training available from WernerCo please visit: [www.wernerco.co.uk](http://www.wernerco.co.uk)

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# Base Structures involved in the UK's first ever dedicated drone port

Base Structures are proud to be a key part of this ground-breaking project to design and construct a dedicated drone airport in Coventry – the first ever in the UK.

The project sees multiple partners working together to create 'Air One,' an ambitious fabric structure that hosts a moveable hydraulic FATO platform (final approach and take-off area) in the structure's centre.

The 45m diameter structure was clad with PVC coated polyester fabric and included a fabric lining incorporating clear visual panels to the internal drum wall.

Andy Traynor, Director of Base Structures, said, "Multiple trades and designers were involved in this complicated & intricate project, so collaboration & coordination was key to making it a

success. With an incredibly tight installation programme, there was no scope for error, and we were pleased to successfully install our element of the project on programme and in only 4 weeks.

"As a blueprint for the first of many urban drone airports, there's an ambitious target to roll out as many as 200 Vertiports out around the world in the next five years. We're proud to be to provide and apply our fabric knowledge and skills in a totally unique way."

Although we're at the forefront of such technology, it's widely believed that drones will play an increasing transportation roll across the world and may be a more familiar sight in the skies above us. UK company Urban Air Port look to grow such an industry, with one day hosting electric and Vertical Take-off and

Landing (VTOL) aircraft from their Vertiports that could be used to transport paying passengers.

For more information about this project, visit: [www.urbanairport.com/](http://www.urbanairport.com/) or contact [sales@basestructures.com](mailto:sales@basestructures.com)

For more information about Base Structures, visit: [www.basestructures.com](http://www.basestructures.com) and have a look at their extensive portfolio of tensile fabric solutions and canopies for outdoor areas.

For any questions or to chat through some options with the team:

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Designed from within the industry, elevate guides all with three simple methods, a colour coding system giving real time priorities, email notifications giving warning and instruction of works that need to be either completed or addressed and audio instruction and guidance regarding the set up and implementation of a contract.

With all process linked together and dependable on each other, Elevate ensures that the correct work is undertaken at the right time. This in turn increases productivity, improved quality control, reduces stress in the workplace.

Elevate has been designed for all, from the complete novice to the multifaceted construction team, by simply guiding everyone in the same direction. With the software self-funded and no shareholders costs have been kept to a minimum, which makes elevate an excellent choice for your next project.

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## Humidity Control: Creating the ideal Environment

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Humidity Solutions a leading independent specialist in humidity control, offering a range of humidifiers and dehumidifiers from the world's leading manufacturers. They have a highly experienced and knowledgeable team of sales and aftersales engineers who can design a bespoke solution for each unique application and supply, install and maintain the equipment throughout its life.

and experience within the team, allows Humidity Solutions to provide a full turnkey service, from design and installation, through to commissioning and ongoing maintenance.

Humidity Solutions have a range of humidification and dehumidification products from the world's leading brands including Neptronic in Canada, Vapac in the UK Cotes in Denmark and HiDew in Italy. Correct humidity levels also have a direct impact on health and wellbeing and is crucial to many industrial and commercial processes such as medical research, data management, and packaging. Furthermore, it plays a vital role in the safe storage, display & protection of many consumer goods. Humidity Solutions is the leading independent specialist in humidity control.

offering alternative low energy solutions to the more traditional, high energy usage equipment. Its vast range of products includes adiabatic humidifiers, steam humidifiers, desiccant dehumidifiers, refrigerant dehumidifiers, as well as other products such as reverse osmosis systems, and Vesuvius humidifiers. Ensuring each client has access to a personal service, Humidity Solutions can design a bespoke solution for each unique application such as industrial manufacturing, food and drink processing, hot yoga studios, classic car storage, print and packaging and many more.

Established in 2008, in response to the markets need for a dedicated specialist in humidity control, Humidity Solutions vast became an independent leader in its field, providing innovative solutions for a wide range of industrial and commercial applications. Headquartered in Leatherhead, Surrey, Humidity Solutions has engineers based all over the country in the North, Midlands and the South, enabling a UK wide coverage for all maintenance, installation and service requests. The considerable technical knowledge, expertise

Boasting an extensive product portfolio, Humidity Solutions has a strategy to minimise its environmental impact by

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## 60 years of experience in the cleaning industry

Contract Services Cleaning Ltd is a family run business based in Hull with 60 years of experience in the cleaning industry. It was founded by William Nicholson in 1962 and is now run by Matthew Nicholson (William's Son) and Matthew's wife Lana Nicholson.

We always aim to provide the best service in all our jobs. We have a wide range of services we provide in those included are window cleaning, jet washing/ pressure washing, general property cleans either new builds or a residential property, site facilities cleans. We are working with very well known building companies like: **Linden Home/ Vistry Group, Lovell, McCarthy Stone, Wharfedale Homes, Kebbell Homes, Rockcliffe, United Living and many more.**

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We always aim to provide the best service in all our jobs. We have a wide range of services we provide in those included are window cleaning, jet washing, general property cleans either new builds or a residential property. For more information on our services please contact us.

## Silverbridge has the tools to mend a broken chain



"A broken chain shouldn't prevent housebuilders' sales getting a move on," says Silverbridge Properties. With one in three home sales typically falling through before completion, Silverbridge's Chain Break service can remedy the issue of when a buyer, or seller, pulls out anywhere in the chain.

A quote can be prepared for the customer, usually within 48 hours and, providing the valuation conducted through RICS is in order, a formal offer is then presented. Silverbridge then takes care of all the legal documentation, including fees, with completion within four weeks – and sooner still if deadlines need to be met.

In a recent example, a developer's customer was in danger of losing her dream home after her buyer's buyer failed to obtain finance and pulled out. Silverbridge Properties stepped in quickly, bought her property for cash, thus enabling to complete the deal; much to the relief and satisfaction of the developer. She was even given a 28-day licence to occupy, which made the move so much more stress-free.

So, the next time that you're faced with a broken chain, why not consider the benefits of Silverbridge Properties' Chain Break service by calling on: 020 3780 0780 or emailing at: info@silverbridgeproperties.com

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# Construction Dust – is this real? Create the ultimate outdoor entertaining experience



Do you know how many workplace deaths occur in the UK each year? Out of the 25-30 million workers in the UK, how many do you think did not make it home following an accident at work? HSE statistics will tell you that in the period 2020/21 there were a total of 142 fatal injuries; clearly 142 too many but what was the main cause? Slips, trips, falls from height, moving vehicles I hear you say? In the same period 35 of those fatal accidents resulted from a fall and 25 were resultant from moving vehicles (deaths on public roads average 1,500 – 2,000!)

Compare this to occupational lung illness; in December 2021 the HSE also published "Occupational Lung Disease statistics in Great Britain, 2021"; this estimates that there are 12,000 deaths EACH YEAR linked to past exposures in the workplace and furthermore another 17,000 new cases of breathing and lung problems

So, what scares you most, falling from a ladder, being hit by a moving vehicle or breathing in dust? The problem is that breathing in dust is not painful and the consequences are not immediate. It is likely then that if you breathed in some dust today, you will likely do it again tomorrow and again the next day and these small, apparently harmless, low level exposures if repeated over time can have significant impact on long term health; much like smoking!

Wearing a respirator (not a face covering) will only be effective if it fits the face of the wearer. The size of the dust particles that can cause lung disease is much smaller than that visible by a human eye so the unique shape of every face, not to mention things like stubble, may prevent the mask sitting tightly on the face and will create leakage paths. This is why wearers of any tight fitting RPE are required to be clean shaven in the area of the face seal and should have undertaken a mask fit test to ensure the make, model, type and size of respirator in use is suitable for them.

If you want confidence in your respirator mask, then make sure your fit test is conducted by a competent technician using verifiable testing equipment. The AccuFIT quantitative respirator fit test device is capable of testing any type of tight fitting respirator and will collect and present quantifiable data that demonstrates the adequacy of the fit of the respirator on the face of the wearer in a matter of minutes. Following the effects of Covid, relying on the taste sensitivity of a wearer to conduct a fit test is becoming less reliable so for a cost effective, fast, efficient and accurate measure of respirator fit make sure your test is conducted using an AccuFIT – your respirator fit measure accurately.

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



Quan Garden Art are a premium outdoor entertaining brand, specialising in strikingly designed 'Fire Plate BBQ's' where you cook on a hot plate surrounding a fire-pit.

Not only does this form of outdoor cooking take your barbecued food to the next level, it also provides a focal point for family and friends to stand around whilst enjoying a drink and conversation, making this the most social BBQ experience on the market.

The pandemic has certainly led to a significant increase in outdoor entertaining, and this trend looks set to continue. Quan are currently seeking to partner with property

developers across the UK, to offer stylish and unique 'Outdoor Entertaining Packages' to prospective new homeowners.

Quan UK also offer a Professional range suitable for outdoor areas in restaurants and hotels, where chefs can provide real theatre outdoors – as watching someone cook on a Quan Fire Plate makes for a mesmerising experience. These are products that will transform the way you BBQ!

**Please contact Jon at Quan on: 07811 408688 for further info and see: [www.quangarden.art](http://www.quangarden.art) for full product range.**



We are an independent fire safety and engineering consulting firm based in Manchester. We can deliver tailored and integrated fire engineering services. These include the identification of risks and opportunities for each project, but also the production of safe, robust, cost effective and sustainable fire design solutions.

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# Commit to lay with TuffStuff® flexible GRP



In this issue of Building and Construction Review, we are pleased to announce that we have selected Tuff Waterproofing's TuffStuff® flexible GRP as the recipient of our Product of the Month award.

Transform your roof waterproofing capabilities with the new TuffStuff® flexible GRP from Tuff Waterproofing, the UK's premium designer, and supplier of heavy-duty GRP waterproof flat roofing systems.

Through the combination of its team of experts, and extensive research and development, Tuff Waterproofing is pleased to announce the launch of their innovative flexible GRP, that is the latest product in its GRP range.

Engineered for trade, the ingenious and inspired new product is both versatile and durable and something that has never been done before. With a team of experts that have been in the industry for over 30 years, Tuff Waterproofing is more than familiar in delivering outstanding GRP products consisting of



waterproofing liquid solutions for flat roofs which are comprised for GRP, flexible GRP and Polyurethane products.

After thorough testing, TuffStuff® flexible GRP was launched last year and has since received incredible interest from builders' merchants and roofing centres all over the UK. Unlike previous products such as Tuff Tech Pro®, which is a polyurethane system, the TuffStuff® flexible GRP is a flexible GRP meaning it can be applied to multiple surfaces. This is a unique development in the GRP market. For prospective clients needing to save time and money by overlaying a roof rather than stripping back and replacing, its multi substrate compatibility means it can be applied directly to felt, asphalt, single-ply, GRP, concrete, timber, or metal.

With normal GRP's you will need to also apply a base and a topcoat, whereas TuffStuff® flexible GRP is one resin system that forms a highly flexible, extra tough, and seamless waterproof membrane, making it the perfect solution for flat roofs and areas of heavy-duty foot traffic. The use of a granulated catalyst rather than liquid allows for a safer and easier product use.

It's very important to note that even though the product is moisture resistant while curing, it cannot be applied straight onto a wet surface. If a heavy rain shower were to fall in the middle of a job, TuffStuff® flexible GRP allows you to go away and resume work on the remaining roof area once the rain has stopped. After removing excess liquid and applying a gentle wipe with acetone, work can resume easily with no compromise to the quality or end product, making it impervious to rain and much more time efficient.

The product requires only two coats, both of which can be applied within 60 minutes, and a 225gsm reinforcing mat. Another significant benefit to the product is that it can easily be applied to vertical sections of a roof without the concern of sagging, and once laid and whilst curing, the product is completely showerproof.

As one of the UK's leading suppliers of heavy-duty, waterproof flat roofing, Tuff Waterproofing took the opportunity to launch its new product on a global stage at the UK Construction Week 2021 show (UKCW), where it was awarded the Best Shell Scheme stand. TuffStuff® flexible GRP received extremely positive feedback from visitors who expressed their appreciation for its advantages of being

offered as a one-pot solution. Its recent product is the latest addition to its wide range of GRP products that uses the latest liquid polyester resins, glass fibre mat reinforcement and flexible edge trims to create a fully integrated 100% waterproof seamless finish.

Tuff Waterproofing has a busy year ahead in the event calendar as it will also be showcasing at UKCW London: 3-5 May 2022 and UKCW Birmingham: 4-6 October 2022. Furthermore, TuffStuff® flexible GRP is also now available to purchase from the following Builders' Merchants: Buildbase, Huws Gray, Jewson and numerous independents.

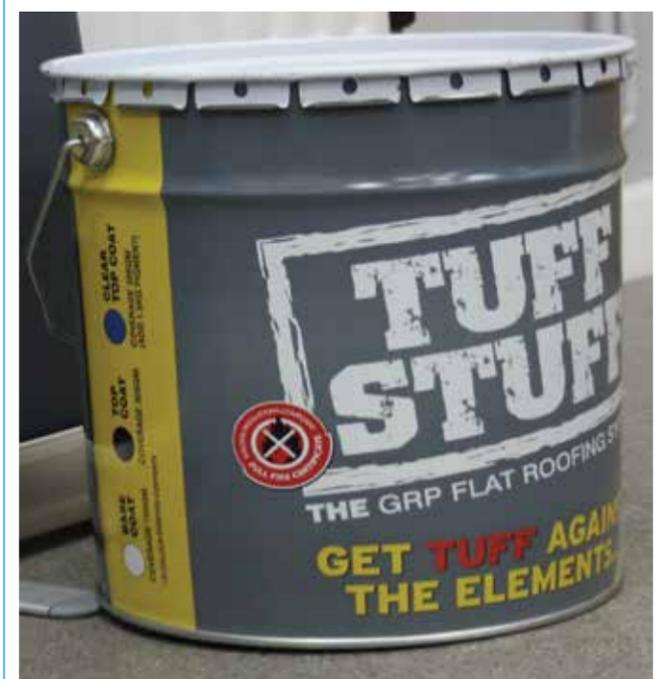
In closing, we spoke with Greg Gimenez, Tuff Waterproofing's Managing Director on how he felt the product has been received across the



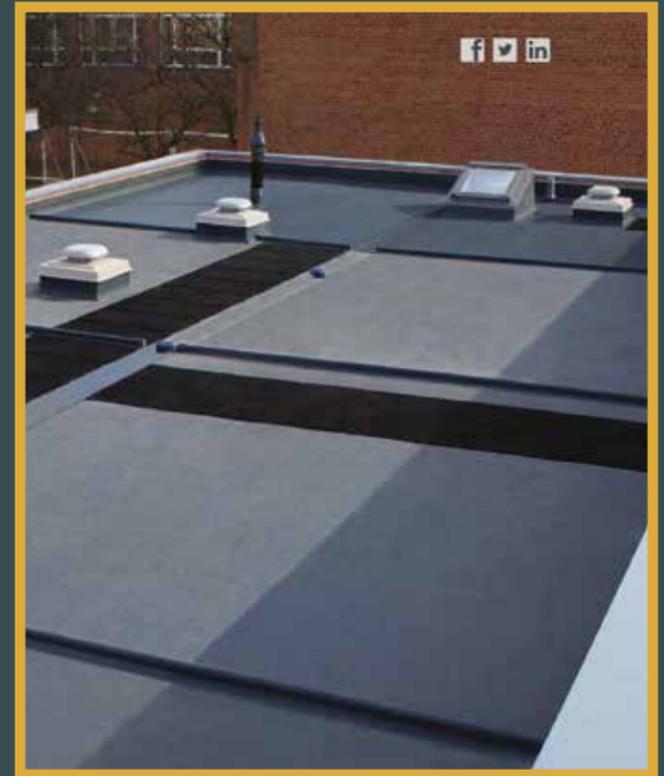
industry and how the company plans to continue its success into the future. "Our product is the most innovative, unique and proven solution we have produced to date. Our hard-working, extremely knowledgeable product development team has worked closely with our customers and our UK-based manufacturing facility to produce an ever-evolving product range.

The TuffStuff® flexible GRP speaks for itself and is a credit to all the hours of research and development that has gone into it. Our mission statement for the future remains the same, to continue to improve our product range year after year. We see TuffStuff® flexible GRP as the future of GRP roofing, and in time we plan to develop its environmentally friendly credentials to reach higher economic standards."

**Contact**  
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## FLEXIBLE GRP

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It's a single-resin solution which can be applied to a multitude of surface types and structures including vertical sections.

With two coats applied within one hour, TuffStuff® Flexible GRP will form a highly flexible, extra tough and seamless waterproof membrane - can be a solution for areas of heavy duty foot traffic.



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# Eco Clipper<sup>®</sup>, mowing innovation at its finest

In this issue of Building and Construction Review, we are pleased to announce that we have selected LS Products BV as the recipient of our Commitment to Landscaping Services Award.

LS Products was established in 2018 by Syb Leijenaar as a response to a market demand for an upgraded and improved version of the then current 15 year old electrically driven rotary mowers. With the experience of many years of use in many different countries, LS Products BV manufactured a new line of electric mowers by the name Eco Clipper<sup>®</sup>. The Eco Clipper<sup>®</sup> Mowing System evolved from the mowing system that was originally developed in the nineties on the turfgrass farm of the Leijenaar family in the Netherlands and was launched in 2002.



Syb Leijenaar, Managing Director of LS Products BV presented with the Award

Leijenaar Products BV have developed and marketed the Eco Clipper<sup>®</sup> range into a global success. Since, it has been introduced to turfgrass farms across Europe, and was extended in 2020 with the introduction of the 14, 11 meter wide Eco Clipper<sup>®</sup> RM14 butterfly mower and Eco Clipper<sup>®</sup> TM14 tri-deck mower.

"Our Eco Clipper<sup>®</sup> electric mowers are sold in the UK by Vanmac Ltd and are quite unique. The system was originally developed to replace the cylinder



mower. We liked the cutting quality of the cylinder mower, but we did not like the high maintenance costs and the sensitivity. Our Eco Clipper<sup>®</sup> mowing system comes close to the cutting quality of the cylinder mower, requires low maintenance and can be used in wet grass if necessary. Furthermore, the mowing speed can be higher than most other mowers. In practice, this means that mowing costs can be halved quite easily," said Syb.

LS Products BV is dedicated to offering the best mowing system for the maintenance of large areas



of turfgrass. Eco Clipper<sup>®</sup> offers a mowing system with many advantages over traditional cylinder and rotary mowers. The technical design of the Eco Clipper<sup>®</sup> delivers a clean cut, even clippings dispersion and excellent following of the ground contours with minimal soil compaction. As well as performing well on wet grass, Eco Clipper<sup>®</sup> has the capabilities for its mowing system to be scheduled to follow the growth of the grass. This means control over the number of clippings that are produced each mowing cycle, avoiding the need to remove excess clippings and to grow a strong root base over a shorter time.

The design of the Eco Clipper<sup>®</sup> range boasts effective economic advantages as well as very little maintenance. The Eco Clipper range includes 10 mowers that are perfect for maintaining large lawns such as sporting fields, parks and race courses. Each offer various specifications but are congruent in being able to provide a good quality cut. The Eco Clipper<sup>®</sup> Mowing System consists of independently suspended 106cm wide deck sections. These sections are cleverly linked together in larger, but flexible contour following mowing decks. Each deck section has three fast spinning blades combined with a smooth bottom and large tires. The electric power train has a high efficiency and is maintenance



free, and as it is important to keep the blades sharp for a quality cut, greasing is minimised to once a month leading to a highly economical mower.

Each mower can be configured to specific requirements, for example the decks can be attached to different frames, carried or towed. A front mower can be made up of a single deck consisting of two to six sections, a towed mower can consist of 10 to 14 sections wide – built out of three separate decks, and a carried rear mower combined with a front mower can be between 10 to 14 sections wide.

Its innovations are well-received from customers all over the world, who have remarked the Eco Clipper<sup>®</sup> range as a sterling success. One customer stated, "The new flexible-decks make for a completely different mowing result compared to the old, fixed decks. Now we have virtually no scalping, just a nice green cut." Feedback such as this reflects the high level of service LS products BV delivers to its customers and how important they are in the continuation of producing and improving the range.

This year, to accommodate growth, LS products BV has recently moved to a new building. This move will not only help them to produce more efficiently, but also to have more control over the quality of production. "We believe we have a good future in the UK with our range of electric mowers. We believe we provide excellence by offering the right mower for the right job and deliver a high-quality aftercare service that ensures the mowers longevity."

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