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AN HISTORIC DUTCH  
BUILDING

LATEST AW24  
BATHROOM TRENDS

CENTRAL STATION:  
A ONCE IN A CENTURY RENOVATION



ISSUE 38 2024 | £3.95



The Seventies House: A thoughtful contemporary extension



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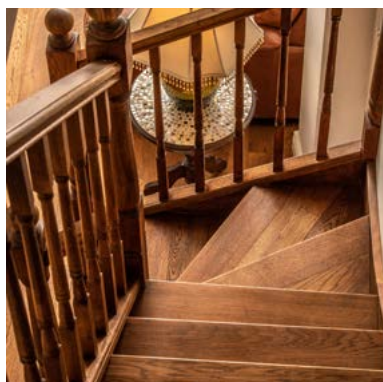
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# THE SEVENTIES HOUSE

The Seventies House is a thoughtful contemporary extension to a mid-century home in Winchester by the award-winning architects AR Design Studio

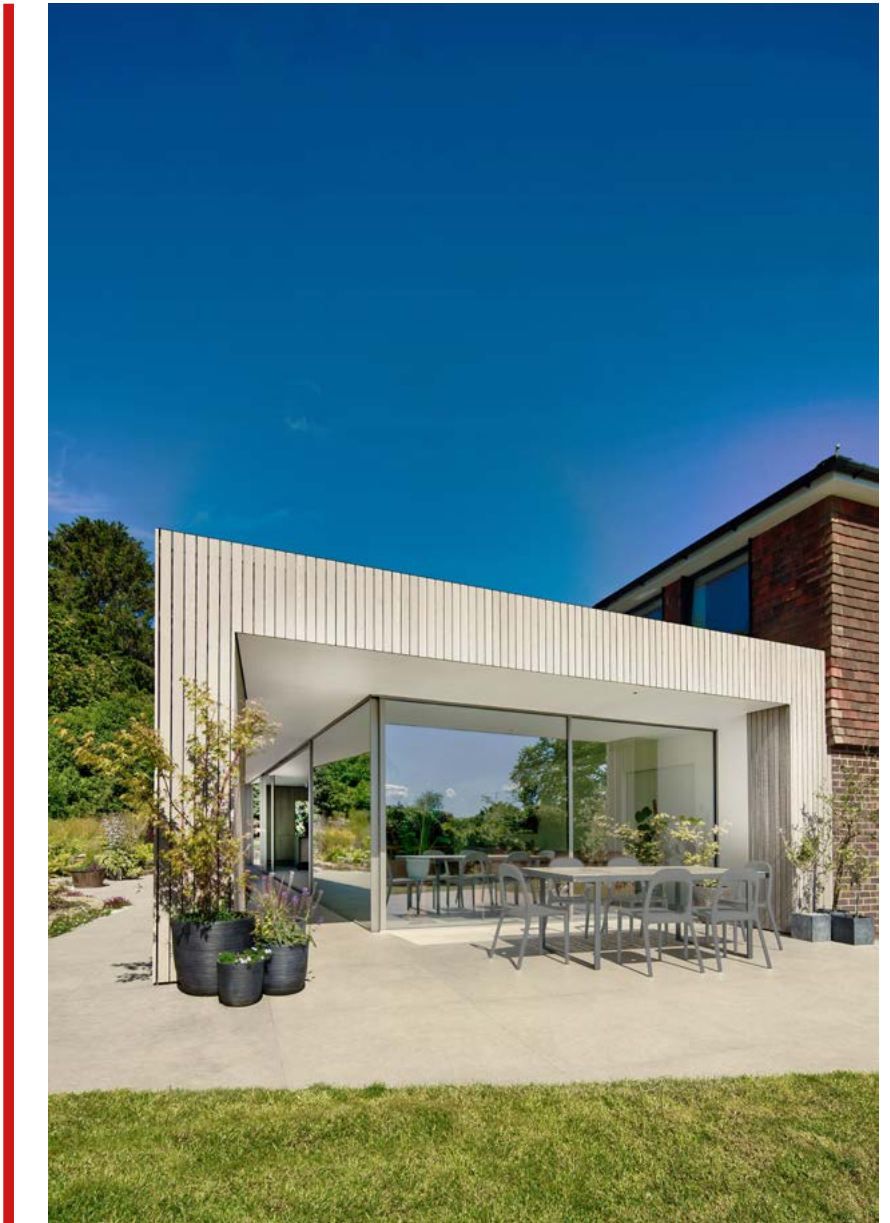
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Originally owned by the head of the local horticultural society, the garden was well stocked with beautiful mature trees, dense shrubs and plants which wrap around the house. Tall trees surround the north and west borders while dense hedges provide a natural enclosure along the south and east, creating a private and tranquil retreat for the family to enjoy.

The house, with its distinct mid-century aesthetic of bold colours and furniture of the period, carries a character through every room of the house. Unfortunately, after being left unoccupied for three years, the house had fallen somewhat into disrepair and the beautiful garden had become unkempt and overgrown with lack of maintenance.

AR Design Studio was therefore tasked with restoring the house and the garden back to its former glory, as well as adding a large new contemporary extension to the rear of the property, celebrating the garden and picturesque landscape.

Whilst the existing 70s aesthetic creates a strong character



in the house, the extension offers a moment of reprise and tranquillity with its muted contemporary design.

A long, asymmetric mass extends across the northern façade, expanding outward from west to east. A beautiful timber canopy stretches out from the extension, creating a dynamic asymmetric overhang to the west. This provides shading from the evening sun and protection from the rain.

The ability to accommodate everyday family living and host large gatherings was important to our client. Prioritising space, the extension features a large open-plan kitchen, living, and dining area ideal for this.



Extensive sliding glazing wraps around the extension, offering unobstructed garden views and a strong inside-outside connection. This floods the house with natural light, providing a bright and airy atmosphere throughout.

The inside features clean lines, minimalist décor and a neutral colour palette, allowing the garden views to take centre stage. White pocket doors are understated and allow for flexible partitioning of the kitchen and living area from the rest of the house. This can create privacy during a late night event or can open the house to allow light to flood through during the day. The living area includes a cosy leather seating area, while a timber kitchen and a long dining table accommodate



The inside features clean lines, minimalist décor and a neutral colour palette, allowing the garden views to take centre stage.



family and guests. All the furniture nods to the mid-century aesthetic present throughout the rest of the house, creating a strong sense of cohesion between new and old.

In the bathrooms, a contemporary interpretation of the mid-century style has been applied, with a strong colour palette that reflects the character of the original home.

The garden has been carefully restored, with the thick brambles and weeds removed, thick hedges pruned back and new planting introduced to refresh the landscape. The 70s rockery has been thoughtfully relocated to make space for the extension, and new planting has been introduced immediately outside to continue this motif of the seamless connection between the extension and garden.

■ [www.ardesignstudio.co.uk](http://www.ardesignstudio.co.uk)





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Sustainability is central to our operations. By opting for repair over replacement, Magicman significantly reduces waste, cuts down on manufacturing costs, and eliminates the need for transporting new items. Our eco-friendly approach not only aligns with environmental goals but also offers substantial financial savings. This commitment to sustainability has earned us multiple awards and recognises our efforts to minimise our environmental footprint while delivering high-quality results.

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# A SEAMLESS RENOVATION

Philip Hale fulfilled the dream he shared with his late wife who passed away earlier this year after a battle with bowel cancer

When Philip Hale and his late wife Kim moved to their charming countryside home in January 2023, they dreamed of spending their retirement surrounded by nature, hosting family gatherings, and enjoying peaceful moments in their new house.

However, the conservatory, which they hoped would become a focal point of relaxation, posed a challenge.

Philip, 69, from Clifton upon Teme, Worcestershire, explained: "Kim always disliked how the conservatory was either boiling hot or freezing cold, but she still wanted it to be a place for us to entertain guests."

The couple initially planned to reclaim the space by building an orangery, until life took an unexpected and heartbreaking turn.

"Kim was diagnosed with stage four bowel cancer in March last year, and our plans for the extension were suddenly put on hold," Philip said.

"Around Easter, we were told there was nothing more they could do for her, and three days later, at 65, she passed away."

Left to carry on their unfinished dream, Philip sought a way to honour the retired gran-of-four Kim's vision of making the conservatory a practical and comfortable space.

That's when he discovered CI Group's industry-leading conservatory insulation, which offered the perfect solution.

Philip's interest was piqued by the company's unique product, which promises to reduce up to 90 per cent of heat loss through the roof.

CI Group's cutting-edge C.H.R.I.S.® system uses a six-layer quilt,



and technology researched and developed by NASA on the Apollo Space Shuttle, to help keep your conservatory at the perfect temperature.

"Instead of going ahead with the large-scale construction, I decided to go with CI Group's insulation because I still wanted to do something that would represent what she was trying to do," he explained.

Before the transformation, the conservatory was hardly used due to its extreme temperatures.

Philip recalled: "We only used it when guests came over for meals, but even then, it was uncomfortable. One summer it got as hot as 49.6C, and in winter it dropped to just 5C."

After a seamless renovation, Philip's conservatory is now a comfortable, inviting space that can be enjoyed all year round.

Insulating the conservatory in memory of his wife has given Philip a beautiful space to relax and remember her from. Furthermore, the renovation will reduce his need to spend on energy bills heading into winter due to enhancing the energy efficiency of the room.



Matt Forrest, Managing Director of CI Group, said: "Phil's story really touched us. We understood that this wasn't just a home improvement—it was about preserving memories and fulfilling a shared dream.

"Our insulation is designed to solve the exact issues Phil and Kim faced, turning their underused conservatory into a PROservatory - a cosy, functional space, no matter the season."

The installation process was smooth and quick, Phil explained: "It only took a day and a half, and the team was incredibly tidy.

"I'm really impressed with the quality of the insulation and how much more comfortable the conservatory is now.

"It's still early days, but I'm sure the insulation will help with energy savings. This is especially true since I now have dimmable LED lights installed in the conservatory, which are much more efficient than the old halogen bulbs we had.

"We had originally planned a renovation that would've cost £100,000, so I've saved a significant amount by choosing insulation instead."

■ **CI Group will be at The Homebuilding & Renovating Show at Farnborough International Exhibition Centre from September 27-29, 2024.**

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Valves is designed to ensure that air quickly passes through the base, which then leads to an easier flow of contaminated materials. This, in turn offers low maintenance and ease of repair, when necessary. Energy

Pumps are the obvious choice for maintenance engineers. The range of Energy Diaphragm Pumps varies according to the application. Energy Mastiff Diaphragm Pumps are ideally suited for those jobs which require pumping difficult sludge to higher pressures while retaining longevity and reliability, for regular suction and delivery on your site.

Reliable and versatile the Energy Mastiff Diaphragm Pump has secured several contracts in 2023 throughout the United Kingdom's Water Authorities because, capable of running "dry", Energy Diaphragm Pumps effectively process thick, often contaminated sewage materials much quicker, more safely, with many years more longevity, more cost-effectively and more efficiently than centrifugal or submersible pumps.

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



# LOCKE APARTMENTS, LISBON

Revitalising a historic building

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Located near Lisbon's iconic Avenida da Liberdade, the Locke de Santa Joana aparthotel exudes both style and sophistication, transforming what was once a 17th-century convent into a modern space with 370 apartments, co-working areas, restaurants, and bar spaces.

This new complex, designed by the renowned architect Lázaro Rosa-Violán and Post Company, revitalises a historic building. It blends historic charm with modern comforts, creating a distinctive fusion of classical Portuguese architecture and contemporary style.

By incorporating natural tones and tactile materials, including locally sourced Portuguese fabrics, ceramics, and stone finishes, each apartment and communal area has been thoughtfully designed to offer a balance of character and comfort, making it perfect for both work and relaxation.



It blends historic charm with modern comforts, creating a distinctive fusion of classical Portuguese architecture and contemporary style



Spanning approximately 8,300 sqm, Atkinson & Kirby's CLA3004 Carron Oak flooring was chosen for installation throughout the complex. This selection played a crucial role in realising the designer's vision. The natural tones of the flooring infuse the space with a gentle warmth, while its sleek and modern appearance lends a timeless elegance to the overall design.

■ **View the full Atkinson & Kirby collection here:**  
[www.akirby.co.uk](http://www.akirby.co.uk)





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*Leonardo Deck Mounted Bath Shower Mixer Chrome*

# LATEST AW24 BATHROOM TRENDS

## Grange Design

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Grange Design, leading UK-based designers, manufacturers and specialist distributors for the bathroom industry prepare for autumn-winter by sharing the latest 2024 bathroom trends set to make an impact next season.

Predicting two major trends, Clive Griffiths, Manager at Grange Design shares his advice on the latest must-have bathroom products and how you can 'get the look' in your home this AW24.

**REGENCY CORE:** Traditional bathrooms will be inspired by the market's ongoing love of maximalist décors and the perennial charm of the Regency era, which is bringing a range of bold patterns and darker colour palettes into the bathroom next season.



*Atlantic Single Lever Mono Basin Mixer-Matt Black*

We're finding that character is being introduced through the fixtures and fittings, with designer brassware, over the top window dressings, and statement tiles coming out on top. Look out for ornate basin

taps with strong curves, solid brass construction and classic capstan-style or ceramic handles. For a superior bathing experience, invest in a deck or floor-mounted bath/shower mixer and enjoy the





*Victorian AW24*

convenience of combining your bath taps and hand-shower in one fixture.

Geometric patterns and signature design details will therefore become a cornerstone of the regency core bathroom this AW24, and also serve as a great way to elevate your plain white sanitaryware! From bold tiles in your favourite print or pattern through to white glazed basins, and freestanding bathtubs with prominent brassware, more is always better when capturing the look of regency core in your bathroom.

Grange Design recommend Leonardo, a timeless brassware collection known for its classic Italian design and heritage style proportions. Discover the Leonardo Deck Mounted Bath Shower Mixer in Chrome, as pictured, which is available to buy direct and online for £1,048 including vat.

**QUIET LUXURY:** At the other end of the design spectrum, the quiet luxury trend continues to promote wellness in the home with the contemporary bathroom zeroing in on simplicity. Helping to make everyday a spa day, next season will inspire a range of bathroom products that stand out for their level of restraint and 'non design' such as minimalist taps with slim levers, contemporary black accents and quality raw materials like stone and wood.



We're finding that character is being introduced through the fixtures and fittings, with designer brassware, over the top window dressings, and statement tiles coming out on top.



*Minimalist AW24*

Ideal for a pared-back yet highly luxurious aesthetic, basin taps will be as simple as a solitary spout fitted to the wall or lone monobloc mixer with sleek contours to make a feature of the basin. The mood is very much 'quality over quantity', with a trend towards more atypical finishes such as matt black and polished metals to create that fundamental 'wow-factor' and signature design identity.

Grange Design recommend its Atlantic Collection, which is designed with ergonomics in mind to optimise the wash zone. Discover the Atlantic Single Lever Mono Basin Mixer Tap in Matt Black, as pictured, which is priced at £209 including vat, and available to buy direct and online.

■ [www.grangedesign.com](http://www.grangedesign.com)

# BATHE IN ROMANTICISM

An elevated sensory bathroom experience

Following the success of their debut AW23 bathroom collection and the launch of a one-of-a-kind, limited-edition, hand-painted bath, designed by eminent artist Emily Forgot - Clearwater Interiors announce their new AW24 bathroom collection, officially launching this October at Decorex, Olympia London.

The new collection sees an injection of four new colourways into the existing eco-luxe bathroom collection from Clearwater Interiors. The new colourways - Soft Pink, Navy Blue, Military Green and Copper Brown - are available across basins, baths, furniture and stone wall panels. All Clearwater Interiors stone wall panels are fully customisable, with the ability to cut to size from the standard measurements available to order.

As a true celebration of the evolution of the bathroom, the collection showcases creativity over compliance that's never been seen before in the bathroom space. Gone is quiet luxury, the elevated bathroom now heralds a new, distinctive and artful age. The sunbaked Soft Pink and rich opulent Navy Blue couple together to create an effortless energy that elevates, rejuvenates and transports.

Resist the minimalist urge with the eccentric touches of dual-toned baths, brushed brassware and a waterfall shower. Bathe in romanticism by layering colour and texture against the elegant curvature of an engineered stone bath. The new collection creates an interesting interplay between the transformative power of colour - in both design and wellbeing - and the craftsmanship and sophistication of Clearwater Interiors' luxury baths, furniture and brassware.



As a true celebration of the evolution of the bathroom, the collection showcases creativity over compliance that's never been seen before in the bathroom space.



With the captivating presence of The Clement Bath in Soft Pink and Matt White, accentuate the natural eccentricity of the sensory bathroom experience.

Interior Stylist, Marianne Cotterill says of the collection; "Eccentric to me means mixing styles, patterns, influences and periods. I love the Clearwater Interiors bath colour, a beautiful soft pink that flows into fabric perfectly. Mixing contemporary style with the traditional, but with a cheeky element, really sang. It's timeless."

Andy Oakman, Head of Clearwater Interiors and Lead Design Consultant adds; "After an incredible response to our launch last year, we received insightful feedback from the A&D community expressing the want for more colour. So that's exactly what we're doing. With the injection of colour through our AW24 collection, we're elevating the bathroom space by encouraging eccentric exploration to create spaces that are curated, bespoke and a treat to the senses. The collection marks a crucial step in our ultimate goal to be a distinctive bathroom brand; delivering what interior designers, architects and homeowners are coveting in their bathroom projects and spaces."

■ **Clearwater Interiors**  
**Decorex 24 - Stand F54**  
**Clearwaterinteriors.net**  
**@ClearwaterInteriors**

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**THE TRANSFORMATIVE**



**POWER  
OF COLOUR**

# THE ARCHITECTURAL KITCHEN

## LEICHT Contracts

LEICHT Contracts, one of the UK's leading providers of German engineered kitchen furniture exclusively for the developer market is proud to support top architects, designers and property developments with a curated mix of units and doors, worksurfaces, and wall solutions that give rise to the architectural kitchen.

Sarah Edwards, Managing Director UK at LEICHT Contracts says, "The UK's housing sector is a key driver of the economy, and we are anticipating an upturn in both the prime and mainstream developments going forwards to 2030. Our commitment to the architectural kitchen, a highly refined furniture concept which meets the complexity and building standards of the homes of tomorrow, lends itself to the variety of projects we work on; be it £6 million homes to 150 entry-level apartments for private rental."

From initial sales enquiry and tender through to concept design and CAD, operations, installation, and project sign-off, LEICHT Contracts oversee and support every stage of customer journey. Enabling the contracts sector to challenge convention and turn even the most ambitious design briefs into reality, find out how LEICHT is serving today's design community with its range of signature design and services.

**ARCHITECTURAL** - Made to measure, open or closed, and available in a combination of different materials, surfaces, and architectural colours, LEICHT take the mastery of personal expression to a new level. The company offers an impressive variety of options for planning and designing the entire kitchen



The UK's housing sector is a key driver of the economy, and we are anticipating an upturn in both the prime and mainstream developments going forwards to 2030.

living space with sufficient storage space designed-in at concept. Notable storage solutions from LEICHT Contracts include motorised wall cabinets, a tall and practical pharmacist's cabinet, generous units with full height slide-in doors, self-contained wall elements, dedicated cook stations, island units with integrated dining, and display storage like its illuminated VERO glass cabinets, which are available in five widths and more than ten heights. Revealing how the latest ergonomic furniture can enhance an individual's home and lifestyle, LEICHT serves the architectural kitchen where design, storage, workflow, and style intersect.

**SURFACES** - Bringing the best of international design to UK projects, LEICHT Contracts offer a range of modern handleless and handled furniture options in three carcass lines: H86cm, H80cm and H73cm. As contrasts are fundamental for creating inviting spaces with high visual appeal, LEICHT deliver a unique range of surfaces in architectural materials including glass, ceramic, concrete, aluminium, steel, natural stone and shimmering metallic finishes in acrylic glass. BOSSA real wood veneers in oak, walnut and ash are available in various stains from light to dark with horizontal or vertical grain to fully integrate options for kitchen and wall cladding. This is alongside top-quality melamine resin coating or high-gloss, matt laminates in fashionable colours,

and natural wood decors where the grain is continued over all fronts and the entire unit height. With a collection of worktops in laminate, stone, porcelain ceramic, safety glass and solid wood in oak, beech and walnut, it's easy to combine the finest quality materials for statement kitchens, which support seamless kitchen living.

**COLOUR** - Offering a range of design solutions for the modern, traditional and individual kitchen, LEICHT present high-quality materials, sensitively coordinated colours and innovative techniques, and is the first and only brand to use Les Couleurs®. Natural, harmonious and timeless, its collection of ten emotive colours that bring extra nuance to individual and unique kitchen living spaces, which are defined by colour. Options include calming blue and green through to understated red ochre, umbra, and the latest shades of grey. You can even specify over 4000 colour options in lacquer!

**CARBON NEUTRAL** - Provenance and ethical sourcing are huge considerations for an increasing number of eco-friendly builds and LEICHT furniture is made from sustainable materials, using timbers from PEFC certificated forests and water-based lacquers for all surfaces. Some great examples from the brand include laminates made of recycled materials that are free from harmful chemicals, solid wood

veneers sourced from responsibly managed forests, and recycled aluminum, which is regarded a sustainable alternative for kitchen hardware. These sustainable materials and production methods all help to reduce the brands environmental impact, as well as align with LEICHT Contracts commitment to the future of sustainable design.

**ATTENTION TO DETAIL** - Every single aspect of kitchen living counts with LEICHT including practical innovations to enhance minimalist schemes such as CONTINO  $\Xi$ 12 12mm front thicknesses, integrated recessed handles and VERVE FS - a modern interpretations of Shaker-style furniture with delicate frames. Energy-saving long-life LED lights are a key part of its exclusive lighting concept with an energy-efficiency class F/G. Behind closed doors, premier interior solutions range from cutlery trays

and storage centres to specialist laundry housing with every item designed for longevity. Tactile and durable hardware is a priority with over 50 handle options to enhance a traditional or contemporary kitchen.

**BRAND PARTNERSHIPS** - The rationale at LEICHT is to source high-quality, branded products with a stable and flexible supply chain to ensure quality form and function within every project. Proud to partner with a range of market leading brands, LEICHT Contracts largely specify V-Zug, BORA, BSH, BEKO, Miele, Caple, Dunavox, Furnipart, Abode, The 1810 Company, Quooker, Caesarstone, CRL and Cosentino.

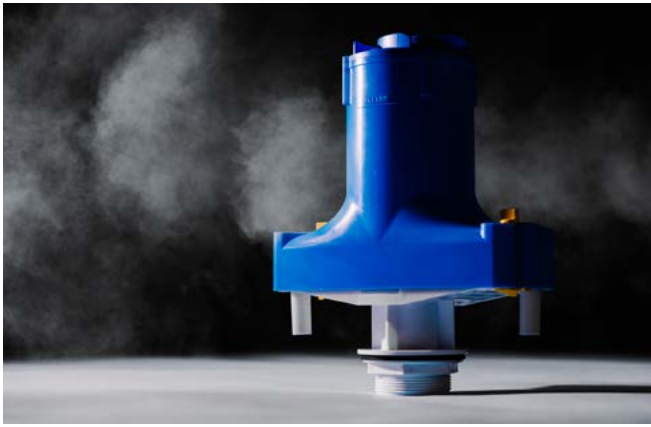
Matt Goddon, Design Director at LEICHT Contracts says, "Our collaborative approach and desire to surpass expectations is something we are very proud of as we continue to deepen our support

of the UK developer market, and create original homes and spaces that encapsulate the architectural kitchen."

The image shows: Part of the LEICHT 2024 Collection and available from LEICHT Contracts, BAHIA presents a brand-new veneer front with vertical groove structure, which is inspired by the Bauhaus style renowned for its modern approach to furniture design and creative use of materials. More than just a door front, BAHIA furniture is created by keeping the vertical cut-outs dark and in the same width as the classic vertical joint at irregular intervals. By exposing the black core of the furniture, BAHIA is able to camouflage itself to enable fully coordinated furniture design, partial or complete cladding of surfaces and walls, as well as divide spaces.

■ [www.leichtcontracts.com](http://www.leichtcontracts.com)





# QUANTRUM

## Thomas Dudley signals the end of the leaky toilet valve

According to the recent Leaky Loo report around 4.1% of all toilets in the UK are leaking, that equates to around 1.5 million toilets!

That is enough water to fill 158 Olympic sized swimming pools or to put it another way, enough water is leaking from toilets in the UK to fill over 4 MILLION baths EVERY SINGLE DAY.

That is a huge amount of wasted water.

With over half of this wasted water leaking from faulty flush valves, Thomas Dudley has invested time & resources to develop a solution to the leaky flush valve.

Thomas Dudley the UK's leading innovator in plumbing solutions, proudly announces the launch of Quantum, its groundbreaking all new Pushbutton Operated Leak-Free Syphonic Toilet Flush Valve. This state-of-the-art product represents a significant leap forward in toilet flushing technology, offering unparalleled efficiency, reliability, and water conservation.

### Quantum's key Features:

#### Innovative Pushbutton Operation:

Quantum is the first button operated mechanically activated syphon and comes equipped with a user-friendly pushbutton mechanism [available in various styles].



Designed and engineered in the UK with precision, Quantum incorporates advanced syphonic technology that lifts water with no power assistance to eliminate leaks and minimise water wastage.

#### Leak-Free Syphonic Technology:

Designed and engineered in the UK with precision, Quantum incorporates advanced syphonic technology that lifts water with no power assistance to eliminate leaks and minimise water wastage. The leak-free design enhances the durability of the valve and contributes to water conservation efforts.

#### Water Conservation:

Thomas Dudley is committed to sustainability, and the new Quantum Leak-Free Syphonic Toilet Flush Valve reflects that commitment. By utilising the leak-free benefits of a syphon, coupled with the ease of the pushbutton mechanism of a flush valve, Quantum optimises water usage by eliminating leaks without compromising performance. Quantum helps to reduce environmental footprints and lower water bills.

#### Durable Construction:

Crafted from high-quality materials, Quantum is built to withstand the rigors of daily use. Its robust construction ensures longevity, making it a reliable and cost-effective choice for residential,

business, and commercial applications.

Chris Slezakowski Thomas Dudley Plumbing Products Business Unit Director said:

"We are thrilled to introduce Quantum, the first in a new line of Pushbutton Operated Leak-Free Syphonic Toilet Flush Valves, a testament to our commitment to innovation and sustainability. This product not only redefines the flushing experience but also addresses key concerns related to water conservation and reliability. At Thomas Dudley, we believe in providing solutions that make a positive impact, and Quantum is a prime example of our dedication to excellence."

Thomas Dudley has worked closely with Lecico Bathrooms to bring the Quantum Flush Valve to market.

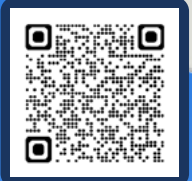
■ If you would like to find out more about Quantum then please email: [info@thomasdudley.co.uk](mailto:info@thomasdudley.co.uk)

Visit the Thomas Dudley website at [www.thomasdudley.co.uk](http://www.thomasdudley.co.uk)

# Dudley

## **NEW** QUANTUM

THE **WORLD'S FIRST** PUSH BUTTON SYPHON



Leak-Free Syphonic Technology



Optimises Water Usage



Easy Installation & Maintenance

 **MADE IN BRITAIN**®

# CENTRAL STATION

# RENOVATION

A once-in-a-century upgrade

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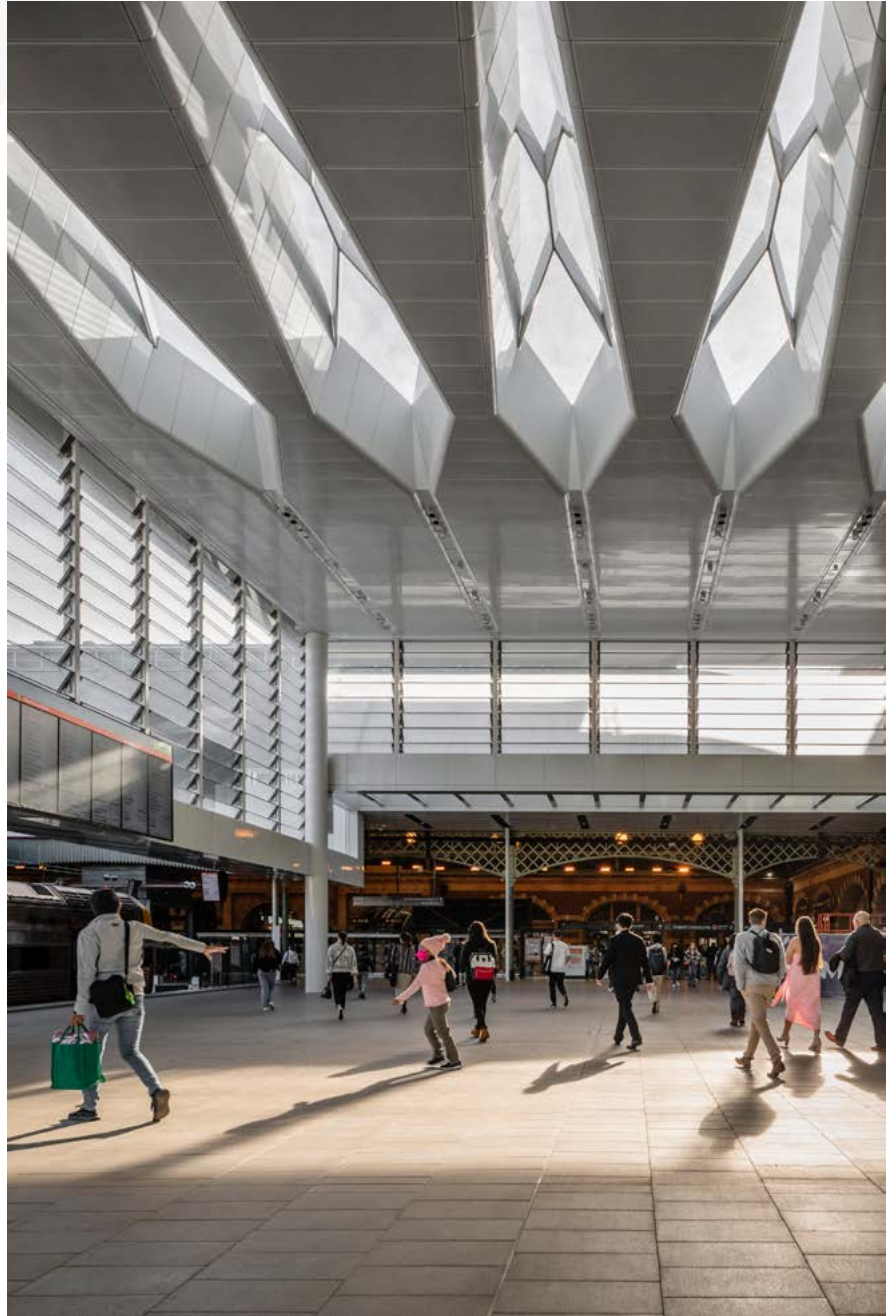
Sydney Metro is Australia's biggest infrastructure project. When complete, Sydney will have 31 metro stations and more than 66 kilometres of new metro rail, delivering a world-class transport solution for a global city. Serving 96 percent of Sydney's train services, Central Station forms the backbone of the entire rail network. The upgrade has the capacity to accommodate 40,000 metro passengers every hour - a 60 percent increase on current capacity.

This once-in-a-century upgrade has been delivered by Laing O'Rourke and designed by Woods Bagot in collaboration with John McAslan Partners. Woods Bagot Principal and Transport Lead John Prentice says, "The design vision and approach place the customer experience at the center of the transformation."

"The implementation of open spaces such as the new Northern Concourse roof and finishes and Central Walk significantly improves circulation and station legibility, resulting in a station design that is easy and intuitive for all customers, irrespective of the mode of travel used."

"The new metro and concourse insertions are designed to be purposeful, functional, and sculpturally rich to complement the historic qualities of the original station. The selection of materials establishes the proposals into their local context and provides a civic quality to the new station works," Prentice adds.

The centerpiece of the upgrade is the construction of two new metro platforms strategically positioned beneath existing



Intercity platforms 13 and 14. This addition creates a crucial interchange, linking the new metro with existing suburban, intercity, and regional rail services.

Another key feature of the upgrade is the new Central Walk, a 19-metre-wide underground concourse designed to ease





congestion and improve pedestrian flow. The walkway connects Chalmers Street and the Sydney Light Rail directly to the new metro platforms as well as providing easier access to platforms 16-23. Central Walk includes the installation of escalators and lift access to the Suburban platforms for the first time.

Global Design Director Domenic Alvaro says, "The elemental and material choices for Central are anchored by a deep nostalgia for Sydney's history. The seamless commuter experience made possible by people-centric design rivals iconic train stations in major cities around the world - creating a station Sydney (and Australia) deserves."

Unifying the station upgrade is the new North-South Concourse and refurbished Northern Concourse. It replaces dark pedestrian tunnels with a light-filled public room in the tradition of the world's great train halls. New connections dramatically improve orientation and navigation for users and permeability between the surrounding precincts is enhanced.

Director of McAslan + Partners' Sydney studio, Troy Uleman, says, "The reimagined Northern Concourse has created a new heart for Central that respects the station's existing Edwardian architecture. The new roof sensitively intersects and contrasts with the heritage sandstone buildings whilst kite-shaped skylights create a unique sense of place."

Through clever design and industry collaboration, the new Central Station Metro has achieved a 6-Star Green Star Design and As Built rating certification. The refurbished station above has achieved a Leading Infrastructure Sustainability (IS) rating. The new metro offers significantly reduced travel times through its driverless train network, with a 4-minute trip to Martin Place, 9 minutes to North Sydney and just 15 minutes to Chatswood from Central Station.

■ [www.woodsbagot.com](http://www.woodsbagot.com)



The elemental and material choices for Central are anchored by a deep nostalgia for Sydney's history.



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# TOUCH

## IRONMONGERY LTD



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

210 Fulham Road, Chelsea London SW10 9PJ

# CELEBRATING 40 YEARS

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## One of London's leading Architectural Ironmongers

Originally called "A Touch of Brass", TOUCH changed their name in 2003 in reaction to advancing market changes in architectural Ironmongery to reflect the broader range of products and finishes that they sell.

In fact today Touch supply 20 different finishes including Brass, Satin Brass, Polished Chrome, Polished Nickel, Satin Nickel, Copper, BMA, Antique Brass, Black, Pewter, Ceramic, leather, Stainless Steel, Satin Stainless Steel, Gun Metal & 4 different shades of Bronze and the list keeps growing. Whatever finish you require, Touch can help you get the right look.

Touch occupy their recently refurbished showroom at 210 Fulham Road, Chelsea, where they stock and display a vast range of their 5,000 products. With a customer base including Architects, Interior Designers, Builders and private Individuals who are interested in the quality end of the Ironmongery market, the company also have a healthy export market to all corners of the world, namely the Middle East, Europe and the Americas.

Touch Ironmongery's owner and founder, Bill Benham, has 42 years' experience in the Ironmongery trade, as does his colleague Jim Haselup. Saleem Qureshi is the newest member of our team and has 21 years' experience, meaning their knowledge is unrivalled in this industry.

The range of products supplied by Touch date from circa 1640 French (Louise XIV) and cover all subsequent periods (Georgian, Edwardian & Victorian), Art Deco and contemporary pieces also make up the product ranges.

Touch showcases the very best of British manufacturing; the best ranges are still produced in the Midlands by craftsmen in factories dating back 200 years or more.

Touch Ironmongery have recently become suppliers for **Designer Doorware (Australia)** Who have beautiful products with a cutting edge design Metal, Wood and concrete. We also have the exclusive rights to sell the **Olaria (Barcelona)** range in the UK.

Olaria make all our bespoke products, they have incredible levels of workmanship.

Touch also sell European manufactured goods which are considered to be of a very good quality.

With trends continuously evolving new and innovative products are constantly under development.

Touch understand that keeping up with the fashion-shifts is imperative in order to provide every customer with the best solution for their requirements.

Ironmongery can be a difficult and complicated aspect of a building project, as a result Touch aim to take this awkward aspect and make it user friendly and clear to understand by offering an on-site service where they carry out a detailed door by door, window by window, room by room Ironmongery schedule, highlighting all requirements and identifying all requirements.

Restoration is a large part of the business Touch will undertake complete Ironmongery refurbishment projects, and can restore old paint covered door furniture to their former glory, looking as good as new again at a fraction of the cost to replace.

**For more information about Touch Ironmongery or to arrange a showroom visit please call 0207 351 2255 or alternatively visit [www.atouchofbrass.co.uk](http://www.atouchofbrass.co.uk)**



## BRITISH & EUROPEAN MANUFACTURERS SUPPLYING THE FINEST QUALITY IRONMONGERY

Touch combine traditional skills with modern manufacturing techniques to produce the most beautiful, quality fittings, built to stand the test of time.

As well as specialist bespoke items, Touch supply over 1000 products, available in 23 different finishes to furnish high end residential and commercial properties, royal palaces, government houses, historic castles and stately homes.

Olaria, available from Touch Ironmongery  
[www.atochofbrass.co.uk](http://www.atochofbrass.co.uk)  
& [www.olariabarcelona.com](http://www.olariabarcelona.com)



## Beautiful timber windows and doors for your renovation project

The Sash Window Workshop specialise in replacement timber windows and external doors that are energy efficient and in keeping with the architectural style of the building.

The company work on a range of projects, manufacturing high quality timber windows and doors for renovation projects and extensions.

The Sash Window Workshop offer a supply only service nationwide, with an installation service for properties in London and Southern England. The company prides itself on providing beautiful, high quality timber windows and doors and will work with you to ensure that project deadlines are met.

The Sash Window Workshop are FSC certified, FENSA registered, and SafeContractor approved.



Established in 1994, they have worked on a wide range of projects from Victorian terrace houses to large Georgian mansions, to new builds. They have also worked on several prestigious properties including The Old Admiralty Buildings and Buckingham Palace.

The Sash Window Workshop manufacture all their new windows

and doors in Berkshire, ensuring that the new joinery meets their high standards.

It is important not to be misled into thinking that timber windows and doors cannot offer the same benefits as other materials. The Sash Window Workshop specifically select materials that are designed to give the best possible performance, combining minimum maintenance with maximum lifespan.

They recommend using Accoya, which is a sustainably sourced wood. Known for its stability and durability, Accoya requires minimal maintenance and comes with a 50-year anti-rot guarantee.

For a quotation for your project, contact The Sash Window Workshop on 01344 868 668 or email [info@sashwindow.com](mailto:info@sashwindow.com).

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



### High Quality Timber Windows and Doors

*Beautiful, Accoya windows and doors for new builds and renovation projects. Supply only, supply and install, and secondary glazing.*



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Say goodbye to constant maintenance and repainting of your windows, instead say hello to a conservation-grade sash window that's hand crafted to achieve the finest detail, even up close.

Boasting 40 years of manufacturing experience built into every sash, Ultimate Rose is designed to keep your home warm in the winter, cool in the summer and secure and quiet all year round.

The most authentic uPVC sash window meticulously crafted by the UK's leading manufacturer.

**Classic style. Modern Performance.  
Tradition redefined.**

*Scan to find out more*

[sashwindowsuk.com/tellmemore](https://sashwindowsuk.com/tellmemore)





# HES2 Concealed Hinge. Innovation, Reinvented

At Sugatsune, product innovation is never the end of a journey. Every breakthrough is the start of a new one. For us, innovation is the drive to never settle for what you already have. It's a state of mind, the urge to push even further.

30 years have passed since we first launched one of our proudest innovations, the HES concealed hinge. A genuinely revolutionary concept, the original HES3D reimagined the very concept of a concealed hinge, based on a reengineered classic hinge design, and in the process opened the door to previously inaccessible use cases for concealed hinge technology.

The HES range has become one of our best sellers and a flagship product, winning multiple awards along the way. But we haven't sat on our laurels to admire our achievements. The innovations have kept on coming.

Nowadays, there's an HES hinge for practically every architectural application. And with the latest HES2 model, we've made installation simpler and more accessible than ever.



## Pivot Away

The big breakthrough with the original HES design was the removal of the pivot arm that the previous generations of concealed hinges had relied on. The pivot arm meant concealed hinges could be installed directly to the inside panel of a cabinet, without the need for a frame. Inset door types could be accommodated.

But there was a downside. Concealed hinges worked for cabinets. But what about interior two-way doors? You couldn't 'conceal' a hinge in the same way by hiding it inside a cabinet. And often door frames were too narrow for the elongated arms anyway.

By reimagining the classic butt hinge so the central barrel tucks away in recesses within the footprint of the hinge itself, the HES design is compact enough to fit on a typical door frame, but folds away in on itself so it is totally out of sight when the door is closed.

What is more, with the removal of the pivot arm, the HES design is stronger and more robust. As well as being suitable for interior doors, it can handle heavyweight doors up to 125kg. There are now HES hinges available for everything from the smallest cabinets all the way up to the largest interior doors, making it the only concealed hinge range on the market suitable for all architectural applications.

## Simplicity on the Surface

For all the aesthetic and functional benefits of the original HES design, it came at a cost. Door hanging is a tricky job at the best of times. With the original HES models, you had to mortise both the door and the frame/cabinet panel.

The big step forward with the HES2 version is surface mounting. You only have to mortise the door, halving the time and effort it takes to install. On the frame, it's just a case of screwing on a plate.

For simplicity and convenience, all HES hinges separate. Once the door is mortised and the door plates are installed, we provide templates for pre-drilling the frame to further support speed and accuracy. The frame plate is clipped into the door plate before being screwed



onto the frame. Once mounted, adjustment screws allow for vertical and depth alignment of up to 3mm for a perfect finish.

The surface mounting on the frame also means that the HES2 can also be fitted to slim framed or even frameless doors where there is not enough wood to mortise into. So even more door types can benefit from the flawless aesthetic of a concealed hinge.

The HES2 continues the tradition of pioneering concealed hinge concepts Sugatsune began 30 years ago. Our 3D-adjustable surface-mounted concealed hinges remain the only products of their type available on the market.

Not that the HES2 is alone. At the same time we launched this hinge, we also unveiled the HES1. Designed for frames as little as 8mm in width, the main selling point of this version is the incredibly snug fit between door and frame/wall. While not technically concealed - the mortising on the frame includes cutting out the front elevation so the mounting plate is visible in profile when the door is closed - the flush finish means it is easy to make the plate all but unnoticeable for a pristine effect.

One thing we can't hide at Sugatsune is our dedication to pushing the boundaries of functional and aesthetic design. 30 years on, the HES range is a dynamic concept that we keep evolving. It already provides simplicity and tasteful convenience to most types of cabinet and architectural doors. Where next?

SUGATSUNE

Since 1930

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Door  
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# DRAUGHT-PROOFING FOR ENERGY EFFICIENCY

Seal gaps & stop draughts with renovation seals

Are your doors draughty? Want to restore your PVCu windows and doors to their former glory? Need to improve your building's energy efficiency?

Air leakage caused by gaps around windows and doors can be a real problem—especially during the winter months. A high air leakage rating means chilly spaces, mould growth, and bigger energy bills.

## What is an air leakage rate?

Also known as an air infiltration rate or air leakage index, an air leakage rate is the amount of air movement around an opening, such as a window, door, or skylight. It indicates the level of outside air seeping into a building through a specific area under a given pressure difference.

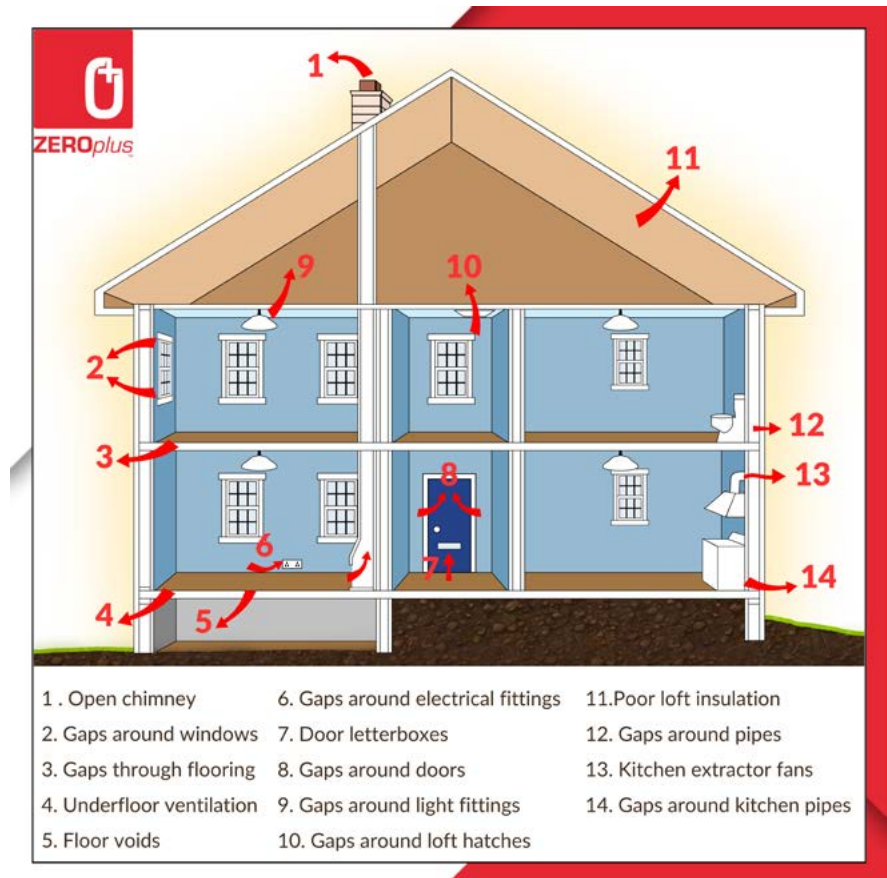
An air leakage rating is used to assess energy efficiency, indoor air quality, and a building's overall performance. A low air leakage rate indicates an airtight, well-sealed building envelope, while a high rate suggests ineffective sealing around door and window frames.

## Resucing air leakage

Seal any gaps with renovation seals to reduce air leakage and improve your building's energy efficiency. These durable silicone seals offer an efficient and cost-effective way to restore your PVCu windows and doors without replacing the entire unit. Although no seal can completely stop air infiltration into a building, fitting renovation seals will drastically reduce air leakage and prevent thermal transfer.

## What is thermal transfer?

Thermal transfer involves the



Air leakage caused by gaps around windows and doors can be a real problem—especially during the winter months.

movement of thermal energy from an area with a higher temperature to a lower-temperature area. Silicone renovation seals will help combat heat transfer from outside or between different air-conditioned rooms during warmer months. This helps to make your space more energy efficient by providing another layer of thermal insulation, decreasing energy wastage, and cutting energy bills. Minimizing temperature fluctuations and



keeping temperatures stable will make your building more comfortable and energy efficient.

## Order your renovation seals today

Our renovation seals are extremely durable, seal gaps up to 8mm, provide good sound insulation and are available in six profiles. They are ideal when restoring your home or commercial building and suit the most common PVCu systems. Order your Ellen renovation silicone seals before the end of November at [zeroplus.co.uk](http://zeroplus.co.uk) and use code R&R10 to get 10% off your order.

■ [www.zeroplus.co.uk](http://www.zeroplus.co.uk)



## Ellen Renovation Silicone Seals

Restore Your PVCu Windows & Doors to Their Former Glory  
& Improve Your Building's Energy Efficiency

- ✓ Available in 6 different profiles
- ✓ Seal gaps up to 8mm
- ✓ Extremely durable silicone
- ✓ Provides good sound insulation
- ✓ Stop air leakage & draughts
- ✓ Prevent thermal heat transfer during warmer months
- ✓ Reduce energy wastage & energy bills
- ✓ Suits the most common PVCu systems



## Get Your Building Winter Ready



Order before the end of November for **10%** off your order

Get 10% off with code  
**R&R10**

# MAINTAINING QUALITY

## Building a brighter future with Vicaima

As we stand on the brink of potentially a major re-focus for the construction sector and a new emphasis upon delivering living, learning, leisure and workspace fit for future generations and designed to meet ever-changing aspirations, we must not lose sight of the need for maintaining quality, regulatory and environmental standards.

In the realm of fire safety, Vicaima has established itself as a leading manufacturer of timber doors and door kits, setting a benchmark in the industry with comprehensive certification and third-party accreditation. With a commitment to design quality and performance, Vicaima has consistently demonstrated its ability to produce doors that not only meet the needs of current living, but forever look to the future. With an unwavering attention to sustainability goals, Vicaima products integrate seamlessly with the needs of the built environment.

### Lasting good looks

A perfect example of how Vicaima combine tough products with real room appeal is in the use of the recently expanded Dekordor HD Colours range. In a world where skills and labour shortages on site are a constant concern, the argument for using factory assembled door kits and pre-finished products is self-evident. HD Colours presents a high resistance, durable continuous pressure laminate that affords long lasting good looks, with a choice of 14 on-trend colour options. Already extensively used for student accommodation, education and commercial environments, HD Colours has a proven track record, making it a worthy alternative to the ever-present and widely used white door and frame. Fresh for Summer 2024 has been the introduction of four new finishes, including Twilight Blue, Granite Grey, Green Mist and Light Grey. These neutral colours



add an ideal subtle touch for rooms. Designed for a brighter future in living and workspaces.

### Sustainability / ESG

The Vicaima Group is committed, within the framework of the ESG (Environment, Social and Corporate Governance) criteria, to making its contribution towards achieving the Sustainable Development Goals (SDGs) defined by the United Nations.

Vicaima acts with the responsibility of providing the market with solutions that have a reduced impact on the environment, are accessible to all and ensure people's safety and well-being and contributing to a more inclusive way of living.

Being sustainable in today's timber doors market, is not just about having all your products covered under FSC certification. While that is the case with Vicaima, their aims and aspirations go well beyond ticking obligatory boxes. As the saying goes, actions speak louder than words and so it is a measure of the importance Vicaima sets in

its ESG obligations that it has laid out the Facts and Figures of its path through sustainable.

Most recently, Vicaima announced that Sustainable Production and Consumption was one of its major areas of action, working actively to extend the life cycle of its solutions, by optimising the entire value chain and minimising waste.

The Vicaima Group's approach to this issue has produced concrete and measurable results. In 2023, a total of 4,139 tonnes of waste was generated, representing a 15% decrease compared to the previous year. From this volume, of which wood waste represents a significant part, 96% was valorised through reuse in new products, recycling or the production of thermal energy.

During all operations, the different waste circuits are continuously monitored and categorised, making it possible to optimise the separation and forwarding of waste for recovery via the various duly accredited waste partners or operators, with the aim of being reused and reintroduced into the value chain, thereby avoiding the final destination to be landfill.

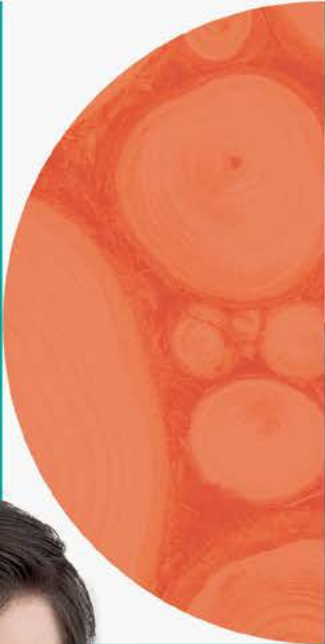
In this context, priority is given to progressively include in Vicaima's manufactured products or those that it integrates throughout the supply chain, renewable materials, high percentage recycled materials or wood-based products made from fast-growing natural fibres, rather than virgin raw materials.

As we look to the future, Vicaima continues not only to lead the way in product performance, but also to ensure this goes hand in hand with design and innovation, for a safe and sustainable environment.

■ To find out more visit [www.vicaima.com](http://www.vicaima.com) or email [technical@vicaima.com](mailto:technical@vicaima.com)

 Sustainable Door Solutions

## Together we build the Future



Scan to know more



## Garador's tried and tested Carlton proves popular

With a classic design that suits so many different styles of property, Garador's Carlton up & over garage door is one of the most popular garage doors on the market.

The Carlton offers exceptional value for money with a tried and tested design that's both long-lasting and low maintenance, along with a competitive price point. Constructed from high grade galvanised steel, the crisp vertical swage complements modern architecture, but also sits well on traditional builds or alongside other garage doors where there are blocks of garages in a row. The door has a rivet free design meaning the surface of the door panel is smooth and a durable powder-coat paint finish protects the door from the elements.



Garador's Carlton comes in a choice of 20 standard colours,

including the ever-popular Anthracite Grey (RAL 7016) plus is available in the full range of sizes up to 5500mm wide including standard, made-to-measure and double door sizes.

To find out more about the Carlton or any of the Garador range, call 01935 443722 or visit [www.garador.co.uk](http://www.garador.co.uk)

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

## Committed to Specification

GEZE UK has demonstrated its commitment to specifiers and architects with the recent appointment of Alex Flokkas who joins the renowned manufacturer of door and window control systems as Specification Manager covering the south of England.



Alex will focus on collaborating with and supporting architects and end users providing technical solutions for all GEZE products, ensuring compliance with all the latest legislation and regulations. He will be the first point of contact at all stages of the specification process.

With over 20 years in the construction industry with a focus on windows, doors and the glazing sector Alex brings a wealth of knowledge. Previously he has assisted architects, contractors and end users with high-end prestigious projects from

residential new builds to Grade I or Grade II listed buildings.

Said Alex 'I am excited to join a global and well-established company which is 160 years' strong. GEZE's work culture and values are key to its success and I am thrilled to join a business that mirrors my own values and principles.

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)

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

## Riverside Retreat Secured with Equilux Shutters from Charter Global

Situated on the tranquil banks of the River Thames, Buckinghamshire, sophisticated home security measures were required for this beautiful new build retreat.

Being in an affluent area, the risk for crime and intentional property damage was high, especially as the home was to be periodically vacant.

As aesthetics were as important as security, over 20 bespoke Equilux Built-In Security Shutters from Charter Global were provided to physically secure each opening, whilst maintaining a pleasing style that complemented the architecture.

The Equilux Built-In shutter is a lintel security solution where the roller shutter barrel is engineered to lie within the structural lintel above an opening. Therefore the traditional unsightly headbox can sit neatly



within the lintel; hidden from view.

For this specific project, the lintels were designed to bear the loads from internal & external leads and lined with high-density insulation and issued to site with clear method statements along with temporary access panels.

While the client is away from the property, the shutters provide an obvious yet not unappealing high-security protection to the house, but when open, the integrated structural

lintel solution provides unaltered views of the river.

Working closely alongside the teams onsite enabled the security shutters to be concealed successfully and the shutter guide detail integrated into the traditional timber cladding.

The shutters were provided in RAL 7047 matte grey to compliment the property's other architectural features and on this client's requirements, the shutters were programmed to be controlled via a single master switch per floor.



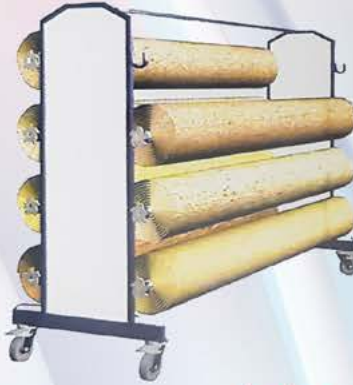
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# KEEPING YOU SAFE & SECURE

## Door Controls Direct

At [Door Controls Direct](#) we pride ourselves on being your dependable source for comprehensive door control solutions and quality door hardware. We are dedicated to delivering superior products, exceptional service, and expert guidance to help you find the perfect solutions for your project or facility.

Whether you are searching for commercial [door closers](#), mechanical locks, [access control systems](#), or any other door hardware products, you can depend on Door Controls Direct. Our GAI-qualified technical sales team can help you find the right product for the right job, ensuring compliance with building regulations and product standards.

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We recognize the critical role that doors and their hardware play in the safety and security of any building. Whether you require ironmongery for a listed private residence, a multi-building commercial site, or an upgrade and maintenance project for an office space we supply quality products from industry leading brands. You can rely on us to deliver.

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# AIR SOURCE EFFICIENCY AND COMFORT FOR PICTURESQUE COTSWOLD SELF-BUILD

Modern comfort and countryside charm

---

Not uncommon among Viessmann customers, the homeowner of this newbuild in the Cotswolds, is a self-confessed building-efficiency nerd. As he puts it, "I'm mad on insulation. I simply don't want to spend good money on fuel!" Hence, when the opportunity came to create the perfect home for his family in their former garden near Cirencester, getting the energy

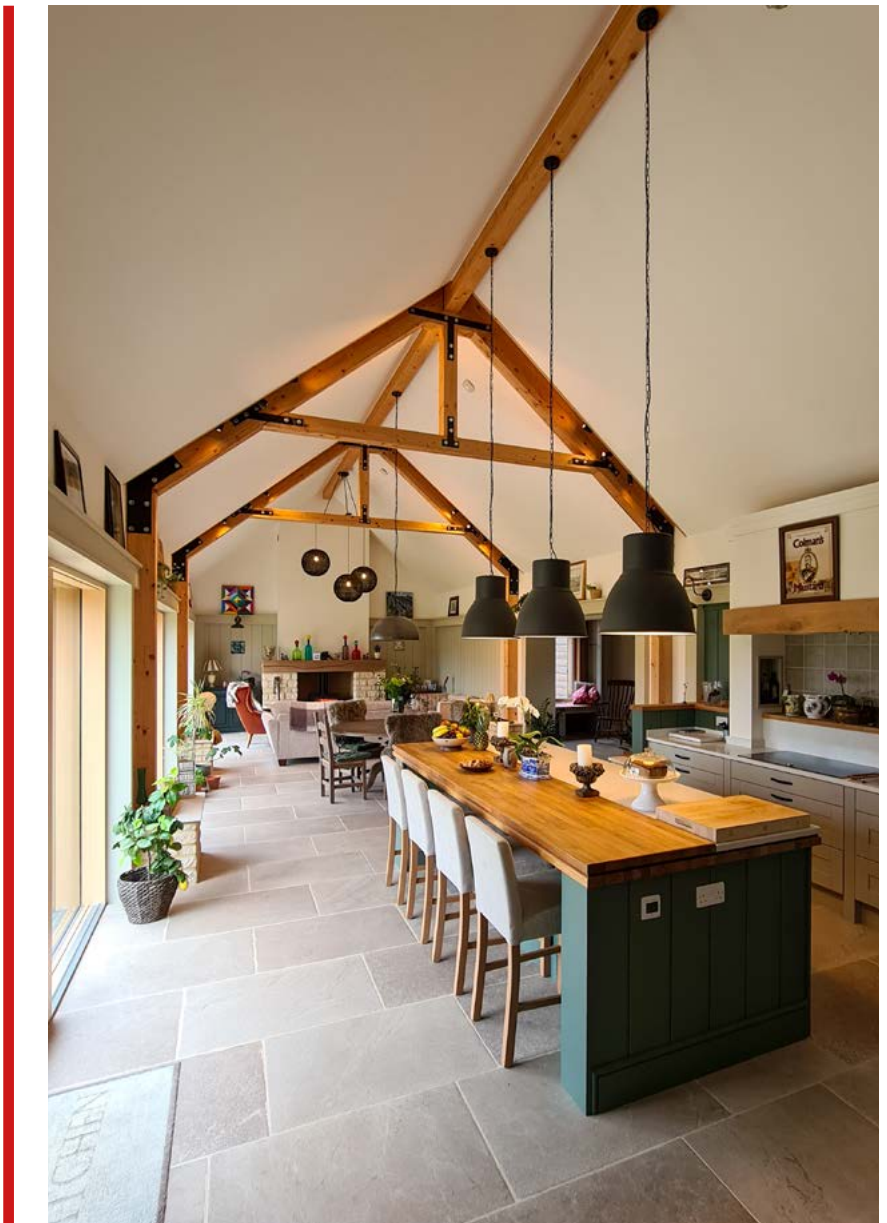
systems exactly right was always going to be an important focus.

Comfort was as vital as fuel economy, though. As the homeowner explains, "Our previous house was the coldest building we'd ever lived in until we installed underfloor heating. We really do get what a difference proper heating systems make

to day-to-day life. So, I did a lot of research! I also knew I'd be creating a well-insulated house so heat-demand would be low, and more importantly, I set out with the concept of having no deliveries of heating fuel or septic tank pump out."

The perfect solution turned out to be a highly efficient Viessmann





Vitocal 100-A air source heat pump (ASHP) for heating and hot water, combined with underfloor heating in the tiled communal areas, radiators in the bedrooms and heated towel rails in the bathrooms. Harnessing the heat latent in outdoor air, the double fan Vitocal unit keeps the entire property warm while providing plenty of hot water for the family in a cost-effective and environmentally responsible way.

Completed in 2021, the family's home was a labour of love constructed entirely by the homeowner and just one other builder. Additional support was only called up when absolutely necessary, for the roofing as an example. The property consists of two handsome timber-clad 'barns' connected by a short

linkway, creating the feeling of an agricultural courtyard. The main house incorporates four double bedrooms, three bathrooms and a cosy snug, while its smaller counterpart contains a vaulted kitchen-diner and sitting room.

Constructed of cement-bonded wood-fibre Isotex blocks and clad in larch, with an anthracite grey aluminium standing-seam roofing system, the buildings are both aesthetically pleasing and exceptionally well insulated. "We're one point off an EPC A rating, and, from an air tightness point of view, we're in the top 3% of buildings in the UK!" says the homeowner. "This means the heat pump can operate at much lower temperatures than most other properties. We run the water that goes into the under-floor heating

and the towel rails at just 32oc, and we've turned off our weather compensation because the levels of insulation mean we just don't need it."

In practice, the radiators are rarely used, as the underfloor heating and towel rails, which run on the same circuit, together provide enough warmth for the entire space. In the living areas, the heating is set at 19.5 oc, meaning the circuit comes on at 18.5oc and goes off at 20.5oc. In 2021, albeit when the cost of electricity was much lower than at the time of publishing (March 2023), this costs around £160 per month in the winter (as at February 2022) and £65 per month in the summer. A mechanical ventilation system, meanwhile, provides fresh air for the bedrooms and sitting room.

"It all works really well", enthuses the homeowner. "The system has been amazing in the production of hot water. There's never a shortage and it all happens without any intervention from me."

### Surrounds

The ASHP's outdoor unit is located at the back of the smaller of the two buildings, in a structure built by the homeowner using left-over cladding, so it's in keeping with the rest of the property. "Many, many hours of thought went into what it should look like," says the



homeowner. "Once I'd decided on my design, I waited until the heat pump's first service before building it, to check it through with the engineer. He told me that a lot of people put panelling

over the front of the pump, and this forces the air down the back of the machine, making it work harder as it's taking colder air in. By allowing cold air out the front and new, warmer air in the back, my surround allows our ASHP to work more efficiently."

### Funding and support

As the heat pump was installed in 2021, the homeowner was able to claim Renewable Heat Incentive (RHI) funding before the scheme closed in March 2022. Although, at £780 per year for seven years - the level was relatively low due to the building's high level of insulation - it is helping to offset the purchase and running costs of the heating system.

The RHI grant was secured through Viessmann's MCS umbrella scheme, Viessmann Access, which aims to support installers to navigate the funding system and secure MCS accreditation for heat pump installations. An installer worked with Viessmann through the scheme to correctly size and commission the ASHP and claim the RHI on behalf of the family.

"Overall, we're very pleased with our heat pump," the homeowner summarises. "It's going to keep us warm for many years to come!"



The system has been amazing in the production of hot water. There's never a shortage and it all happens without any intervention from me.



## Introducing the new Titon HRV Cool Plus™ - designed to fight overheating and enhance indoor air quality

Titon, a leading supplier of indoor air quality solutions, announces the launch of the HRV Cool Plus™, specifically designed to provide cooling in warmer weather conditions and tackle residential overheating.



Providing up to 3.3kW total cooling capacity (subject to volume flow and relative humidity), it ensures optimal performance even in demanding conditions, and with two mounting options

Titon's HRV Cool Plus™ is engineered to seamlessly integrate into heat recovery ventilation (MVHR) systems, delivering cooling and filtered air to enhance user comfort. With its integrated cooling module, the cutting-edge unit pre-cools incoming fresh air during warmer months, ensuring a comfortable indoor environment.

available: either wall or floor mounting, it offers flexibility to suit any installation requirement.

The HRV Cool Plus™ was developed in response to increasing overheating issues where standard ventilation is not possible under the Approved Document O (ADO) guidelines.

[www.titon.com/cooler](http://www.titon.com/cooler)

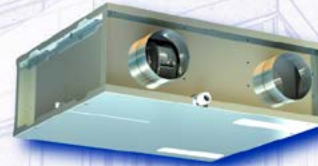
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## SHORT CHIMNEY = CHIMNEY FAN

Traditional chimney design required a minimum flue height of 4.5 m. In theory, this was enough to ensure sufficient natural flue draught to clear the products of combustion from a wood-burning stove.

Unfortunately, the chimney draught was never guaranteed and the provision often resulted in unsightly tall chimneys when appliances were installed in single-storey buildings and orangeries.

A recent change in chimney design (see source) states that a chimney can be designed using the calculation method in BS EN 13384-2005 which allows for the installation of shorter chimneys, provided sufficient chimney draught can be proved. A chimney fan will guarantee this chimney draught even on a shorter flue design.

[...] the calculation procedure within BS EN 13384-1:2005 can be used as the basis for deciding whether a chimney design will provide sufficient draught."

Source:  
Document J Building Control  
Combustion appliances and fuel storage systems  
page 30 - §2.8 - "Height of flues"

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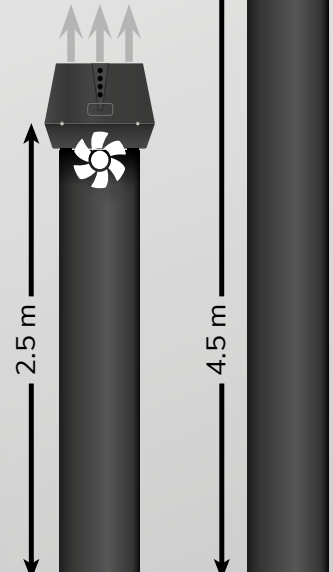
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# INCREASING COMFORT REDUCING EMISSIONS

Victorian terrace gets green upgrade with air source heat pump

Like many of its neighbours, Lucy Galvin's Victorian terraced house in Norwich's Nelson ward was chilly, expensive to heat and emitting unnecessarily high levels of CO<sub>2</sub>.

Switching to renewables by replacing the old boiler with an air source heat pump, solar panels and battery storage has greatly improved comfort levels while slashing emissions by more than half.

## Unsustainable

Energy price rises saw the Galvin family's gas and electricity bills double in two years from £1,895 in 2020 to an eye-watering £3,272 in 2022. This combined with the looming threat of climate change prompted Lucy to look in depth at ways to save money and substantially reduce the household's carbon emissions.

"I'm very concerned about droughts, heatwaves, wildfires, freak weather events and crop

failure happening right now," she explains. "And the more carbon we burn, the less liveable our planet's future will be. A whopping fifth of our national carbon emissions comes from our homes and buildings. So, I decided to make 2023 the year to get our house fixed up to use clean, cheaper, renewable energy."

Despite having some of the highest house prices in Norwich, Nelson is the most fuel-poor ward in the city; 16.7 per cent of homes there

are in fuel poverty, due mainly to the area's mostly Victorian housing stock. Solid brick construction and lack of cavity walls means many buildings are very poorly insulated.

### Detailed research

Improving her home's overall efficiency was key, so Lucy started by getting an Energy Performance Certificate (EPC) assessment. This returned an energy rating of D, in line with the national average. Plus points for the house where low-energy lighting and a newer back extension, which is quite well insulated. However, the building's overall impact on the environment was rated as E. Says Lucy, "We were producing 7.2 tonnes of CO2 per year, 20% more than average. I was determined to change that!"

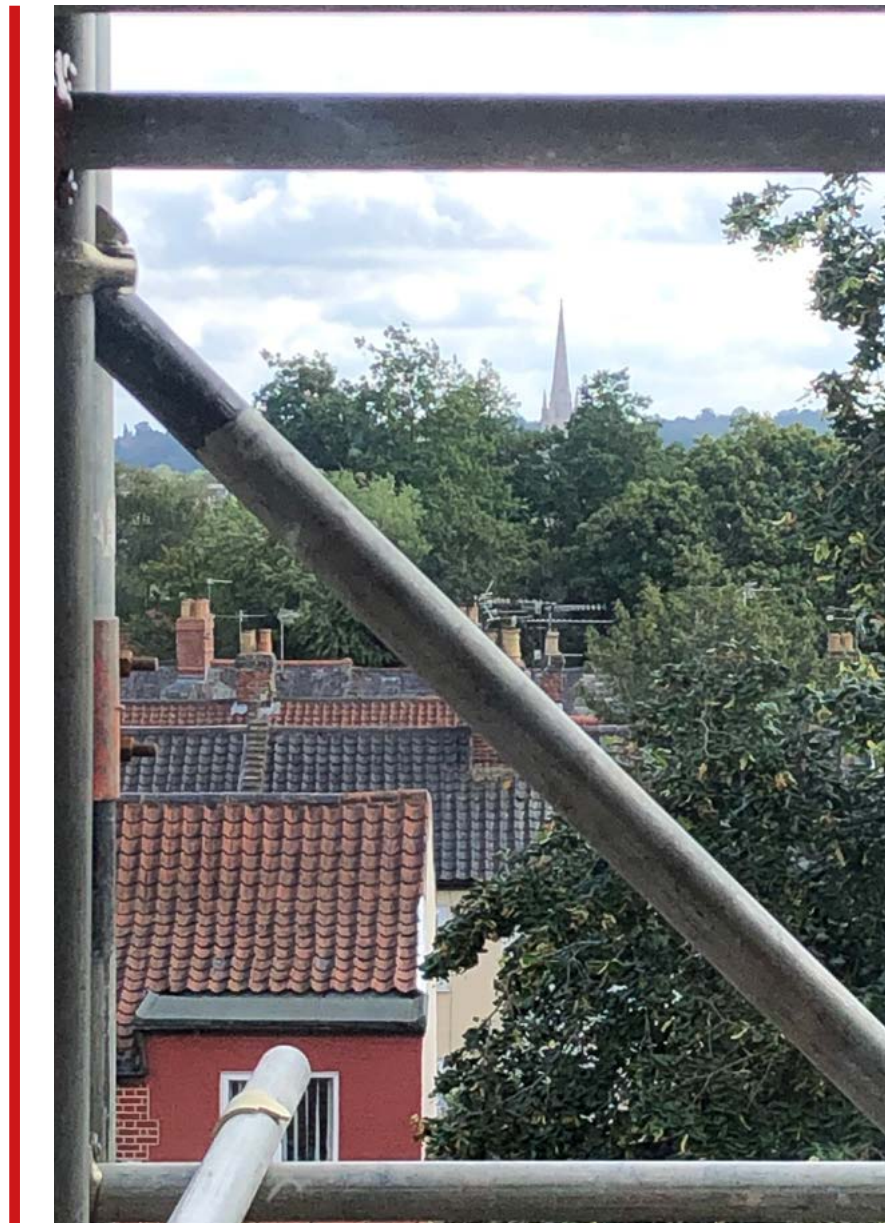
The EPC report suggested a range of improvements, including double glazing and floor insulation. The total cost of these was over £27,000, with the greatest expense being external or internal wall insulation, priced at up to £14,000.

The report didn't propose replacing the family's gas boiler, however, even though they would be entitled to a £5,000 grant (now increased to £7,500) from the Boiler Upgrade Scheme (BUS) to do this - the only subsidy for which they were eligible.

### Air source impact

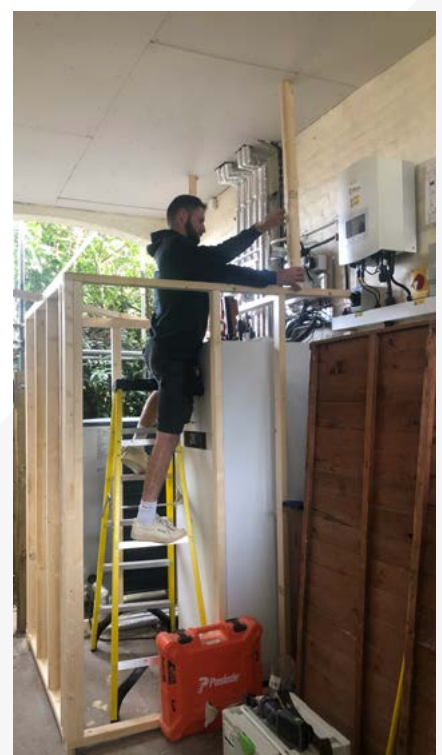
With limited funds and wanting to speed up the journey to decarbonisation, Lucy did a lot of her own research, too. "Almost immediately, I decided to disregard many of the EPC report's recommendations," she continues. "Insulation is very important, but it's only part of the picture. If you want to get to zero-carbon heating, you also have to produce renewable energy. Electricity can be generated from clean sources like sun and wind, and gas can't. I figured that, as gas is going to be phased out, the sooner we get on to renewable generation the better."

Her research showed that an air source heat pump would offer the



biggest environmental impact and bill savings for the investment, especially when factoring in the BUS grant.

Advised by a friend who had recently fitted a heat pump to "choose the installer, not the kit" and as a top notch installer will always specify the best technology for the job, she set about finding the perfect engineering partner for the project. She obtained quotes from a handful of certified businesses before opting for local renewable heating experts Heat Different who also came personally recommended. "Our reputation is built on designing bespoke systems around high quality, well-engineered products," declares Heat Different managing director Craig Forder. "When it



comes to heat pumps, that means we usually specify a Viessmann."

Minimum hassle, maximum space  
In this case, a Viessmann Vitocal 222-A 16 kW air source heat pump was selected because of its highly efficient and streamlined design. It takes up 60% less space than comparable models, making it ideal for retrofitting in terraced properties. With a flow temperature of 70°C at an outside temperature as low as -10°C, it also works well with the Galvins' existing radiator system, which greatly helped to minimise the cost and disruption of the installation.

After some deliberation about location, the exterior unit of the heat pump was installed to the rear of the property. Due to a prior loft conversion, the new water tank was also placed outside within purpose-built, specially insulated housing. The old boiler and ventilation pipe were removed, freeing up extra space indoors. "A huge benefit of losing the boiler was getting a whole cupboard back in use," recalls Lucy.

### Solar energy

Once the heat pump installation was completed in June 2023, Lucy switched her attention to



“ Even with the effect of price cap increases, our monthly bills have dropped by a quarter.



electricity generation. Working with Norfolk-based solar specialists Total Renewables, she opted for six 2.55 kWp PV panels with a 5 kWh battery to store any excess energy generated. "Heat pumps are electric, so it's great to be able to top up the energy they use from your own roof," she explains. "On 22 September 2023 we celebrated our first day producing more power (5.7kWh) than we imported (4.32KWh)."

### Reaping the rewards

Both the Vitocal heat pump and the solar panels are managed and monitored by Viessmann's intuitive ViCare app which helps to increase comfort and save energy costs, while requiring minimal oversight. Says Lucy, "The heat pump manages itself, keeping our home lovely and toasty, with a very pleasant, steady warmth."

The family's energy bills have reduced considerably, too.

"Even with the effect of price cap increases, our monthly bills have dropped by a quarter," she continues. "And our overall emissions from space and water heating are less than half what they used to be, which is even better! In November 2023, they were 82.85kg CO<sub>2</sub>e, compared to 196.08kgCO<sub>2</sub>e in November 2022."

With additional upgrades planned for 2024, including several double glazed windows, an electric cooker and capping off the gas for good, further savings are yet to come. "By next November, we hope to be fully electrified, and better insulated too, so bills and carbon will keep coming down!" said Lucy.

### System spec

Viessmann Vitocal 222-A 16kW air source heat pump  
Six 2.55kWp Trina Vertex S PV panels  
Puredrive II DC 5 kWh battery  
Viessmann ViCare app



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# ELECTRA-LOW HEATERS

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One of the most pressing challenges in the construction industry today is the need to provide reliable heating systems that minimize operational costs for homeowners. Traditional central heating systems often lead to inefficiencies and excessive energy consumption, resulting in rising utility bills that can deter potential buyers. Electra-Low's independent electric heaters offer a targeted heating approach that allows for localized warmth in specific rooms. This means that, as a builder or architect, you can equip properties with systems that not only enhance comfort but also promote significant energy savings.

## Energy efficiency

Electra-Low heaters are designed with energy efficiency as a core principle. Using less electricity to provide heat output comparable to conventional heaters, their advanced technology ensures that electricity is converted into heat quickly and effectively, without unnecessary energy expenditure. For example, the 300w model provides heat equivalent to that of a conventional 1kW heater.

## Sleek, modern and adaptable

Flexibility is another key advantage of Electra-Low electric heaters. Unlike traditional systems that are fixed and often difficult to modify, these heaters have the option of being wall-mounted or free-standing to easily relocate as



With their sleek and modern designs, these heaters can seamlessly integrate into any architectural style, enhancing the overall look of your projects.



needed. This adaptability allows developers to design spaces that can easily accommodate changing needs, whether it be for residential units, commercial spaces, or mixed-use developments. Homeowners will appreciate the ability to move heaters from room to room, ensuring that their living environment is always comfortable.

Available in a range of size and colour options, the aesthetic appeal of Electra-Low heaters cannot be overlooked. With their sleek and modern designs, these heaters can seamlessly integrate into any architectural style, enhancing the overall look of your projects. This attention to design ensures that your developments not only function efficiently but also stand

out in the market, appealing to discerning buyers who value both form and function.

Finally, the convenience offered by Electra-Low heaters is a significant selling point. They feature programmable timers, allowing homeowners to customise their heating schedules with ease. This user-friendly approach not only enhances comfort but also adds value to your properties, making them more appealing to potential buyers.

By integrating Electra-Low's independent electric heaters into your building projects, you can provide energy-efficient, safe, and stylish heating solutions that resonate with today's homeowners. Elevate your developments with a heating system that aligns with modern needs and preferences, ensuring that your projects stand out in a competitive market. Embrace the future of heating with Electra-Low and set a new standard in home comfort and efficiency.

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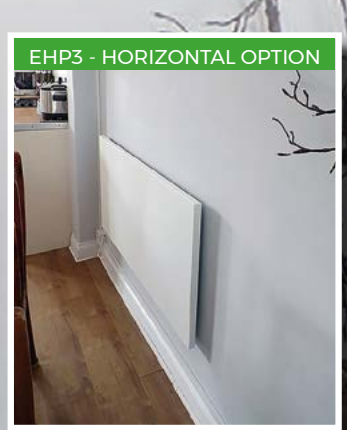




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Model	EHP4 Towel Rail	EHP1H	EHP1V	EHP2	EHP3H	EHP3V*	EHP7H	EHP7V**
Power	175W	175W		300W	350W		600W	
Approx conventional equivalent	500W	500W 500W		1kW	1.5kW 640mm		2kW 11p	
Radiant & Convected heat	✓	✓		✓	✓		✓	
Can be wall-mounted	✓	✓		✓	✓		✓	
Can be free-standing		✓		✓	✓		✓	
Width x Height (mm)	440x600	600x440	440x600	640x640	1200x440	440x1200	1300x640	640x1300
Running cost per hour*	7p	7p		11p	15p		22p	
Colours	Silver coloured metal	White, Black, Brown, Grey						

\* Example running costs based on a tariff of 34p per kW/h





# JOSLYN ART MUSEUM

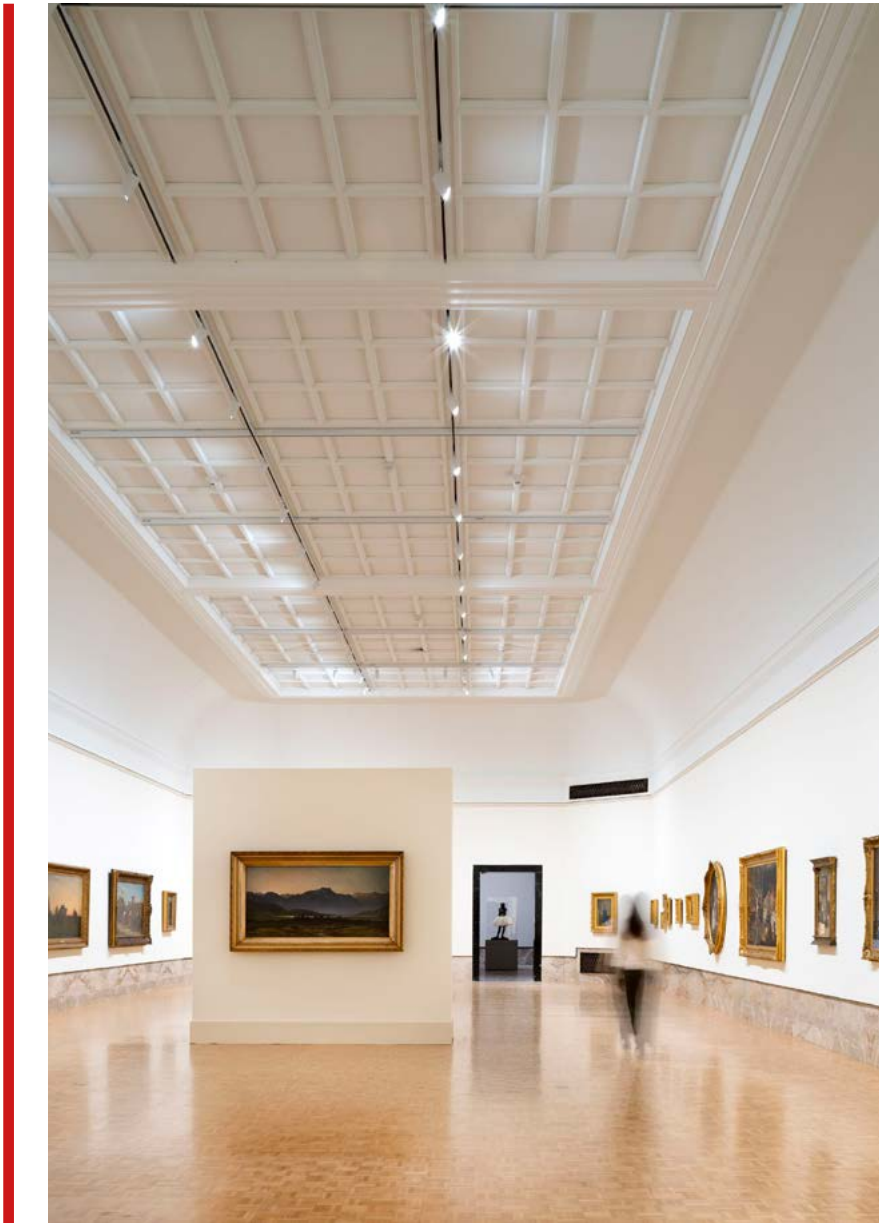
## A comprehensive redesign

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Joslyn Art Museum will reopen to the public in September 2024 following an expansion, renovation, and site redesign conceived to reimagine how visitors approach and engage with Nebraska's largest art museum. Central features of the project, designed by Snøhetta in partnership with Alley Poyner Macchietto Architecture, are: 1- construction of the new 42,000-square-foot Rhonda & Howard Hawks Pavilion, which adds abundant light-filled galleries, community spaces,

a new Museum shop, and new main entrance. 2- renovation of existing buildings, which adds classrooms, a refurbished lecture hall and cafe, gathering spaces, and a reconfigured administration wing. 3- reorganization of Joslyn's grounds, featuring more than three acres of rejuvenated public gardens, outdoor spaces, and art installations, and reorientation of the entry sequence to bring visitors into the revamped grounds on axis with the heart of the expansion and the new main entry.

After passing underneath the deep cantilever of the Hawks Pavilion, visitors will enter a soaring, light-filled atrium that unites the architectural history of the Museum with a gently sloping central staircase that rises to form an extension of the glass atrium designed by Norman Foster as part the Museum's 1994 expansion. The staircase offers stunning views of the vibrant Georgia Pink marble façades of the 1931 Joslyn Building, one of the finest examples of Art Deco architecture in the United States, and the Museum's



1994 expansion, the Walter & Suzanne Scott Pavilion, Foster's first commission in the United States. The project also restores and modernizes existing office spaces, a lecture hall, and studios in the 1931 Joslyn Building and, in the Scott Pavilion, refurbishes galleries, replaces the gabled glass atrium canopy, and renovates the existing cafe including the installation of a new picture window for daylighting and views out into the atrium garden.

Joslyn Art Museum sits in the heart of Omaha on the western edge of the city's Downtown, in easy walking distance of Central High School, a public high school with more than 2,800 students in grades 9 through 12, and just south of the campus of Creighton University, a private Jesuit institution with more than 4,000 undergraduate students. Honoring

Joslyn's identity while opening a more porous, inviting front, the expansion marks a new chapter in the Museum's vision for public access to the arts through a comprehensive redesign. The expansion builds upon Joslyn's rich history as an iconic landmark and cultural hub in the Great Plains as it creates a dynamic, inclusive design that is open to all free of charge.

The 42,000-square-foot addition adds light-filled galleries, and a 40% increase in display space, designed to meet the demands and explore the possibilities of a growing permanent collection. The expansion renews Joslyn's status as Omaha's premier venue for the visual arts by reorienting the Museum grounds around a reimagined public arrival sequence anchored by new community spaces that support the

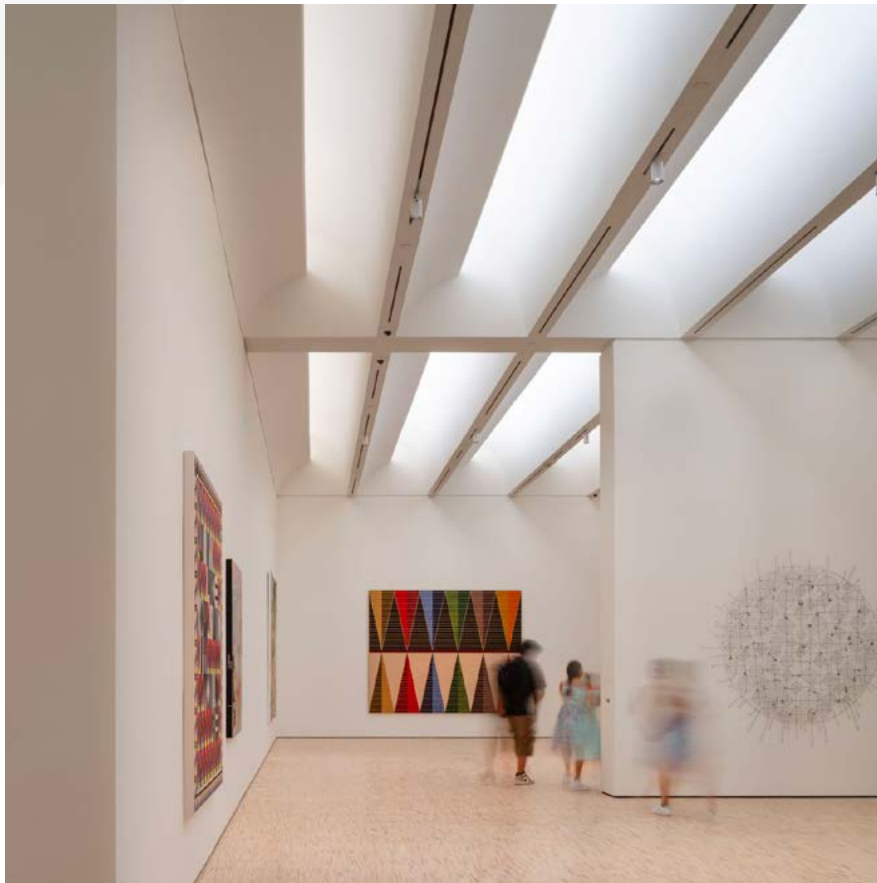


galleries. While the existing buildings appear anchored to the ground, the new building floats atop two granite garden walls, with a transparent first floor enclosing a new entry atrium, a Museum shop, and a multi-function community space.

These ground-floor spaces gradually rise to the level of the existing buildings via a gently sloping, accessible walkway. The weightless effect of the expansion recalls the striking cloud formations above the Great Plains, as well as the deep overhangs and horizontal expression of Prairie School architecture. The horizontal texture of the new façade takes its cue from the stacked stone steps of the 1931 Joslyn Building's monumental Grand Steps, which emerge from the east side of the



The design also clarifies the visitor arrival experience and increases the connectivity between existing spaces.



existing buildings in parallel with the expansion. The façade's light-colored precast panels are embedded with vibrant pops of pink aggregate that reflect the Etowah Fleurli (Georgia Pink) marble of the existing buildings.

The design also clarifies the visitor arrival experience and increases the connectivity between existing spaces. The primary access to the Museum has been relocated to the northern edge of the site, off James Fous Avenue, leading to a redesigned entry drive that sits in line with a new, raised garden with sculpture and a new Museum entrance, creating a clear sense of front and a fresh beginning for Museum visitors. New sculpture gardens have been reimagined as a sweeping collection of landscape spaces and outdoor "rooms" that wrap around the site, weaving the buildings and outdoor spaces together around the reflecting pool of sculptor Jesús Moroles—The Omaha Riverscape, 2008-09.



Photos: Nic Lehoux

# Space V.R – Computer Generated Architectural Illustration

Space VR is a dynamic digital media company based in the Northeast of England, established by three professionals with extensive experience in interior design and visualization. Our primary focus is on providing high-quality computer-generated artist impressions, animations, virtual and augmented reality presentations, 360-degree panoramas, and a wide range of related services.

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# CREATING BEAUTIFUL HOMES

Claire Garner Interiors reveal common renovation mistakes made by homeowners and how to avoid them

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By Claire Garner, Director, Claire Garner Interiors

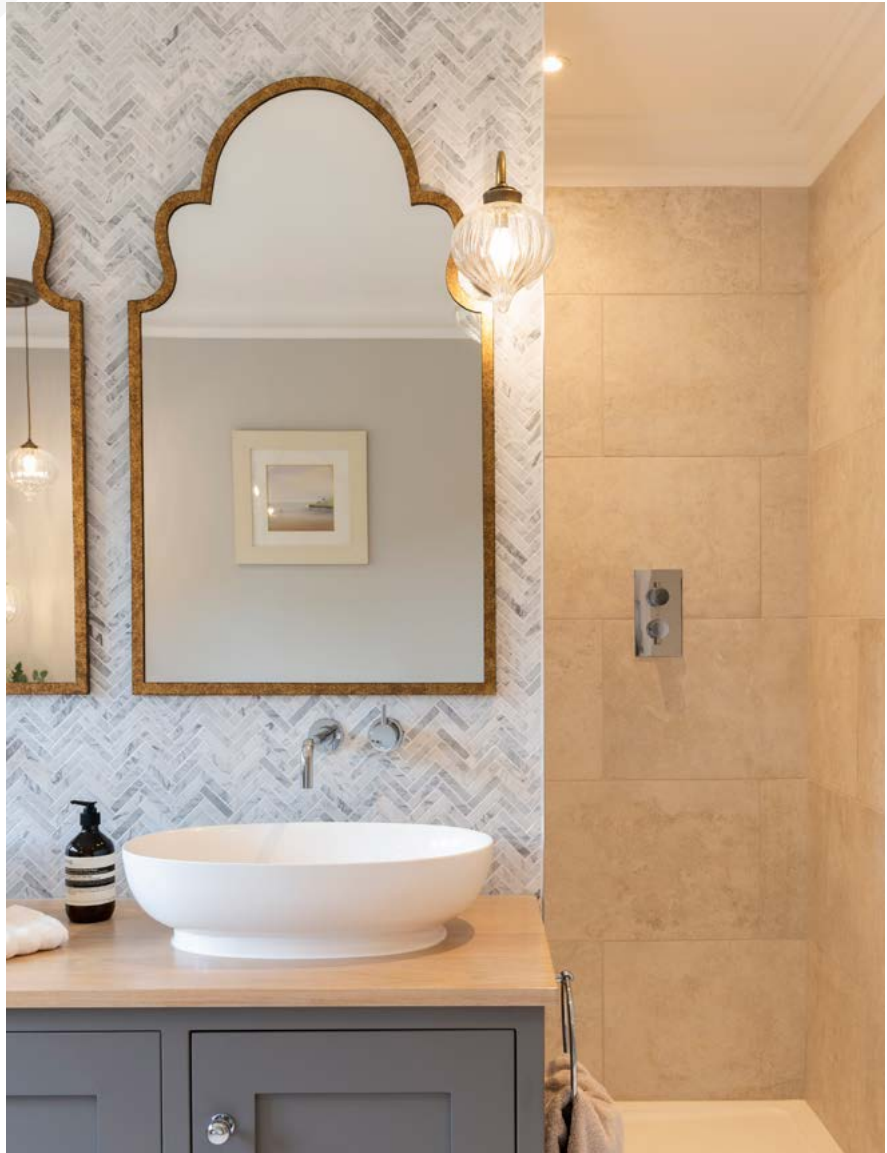
## 1. Lack of a Cohesive Design Plan

**Plan:** One of the most common mistakes homeowners make during renovations is not having a comprehensive design plan from the outset. Without a clear vision and detailed plan, renovations can quickly become disjointed, resulting in a space that feels haphazard and lacks harmony.

**How to Avoid It:** Engage with an interior designer early in the planning process. A professional designer will help you create a cohesive plan that considers the flow, functionality, and personal style of your entire home. They will ensure that each element, from colour schemes to furniture selection, aligns with your overall vision, resulting in a stylish space that will stand the test of time.

## 2. Ignoring the Importance of Lighting

**Lighting:** Another frequent mistake is underestimating the importance of lighting. Inadequate or improperly placed lighting can diminish the impact of even the most beautifully designed spaces, making them feel dark, cramped, or uninviting.



**How to Avoid It:** Incorporate a layered lighting approach into your design plan. This includes ambient lighting for general illumination, task lighting for specific activities, and accent lighting to highlight architectural features or artwork. Consulting with an interior designer can help you determine the right lighting solutions to enhance the functionality and ambiance of your space.

## 3. Removing Original Features or Overspending to Preserve Them:

Homeowners sometimes make the mistake of either removing charming original features that add character or spending excessively to preserve them when it's not practical.

**How to Avoid It:** Before making decisions about original features, consult with an interior designer



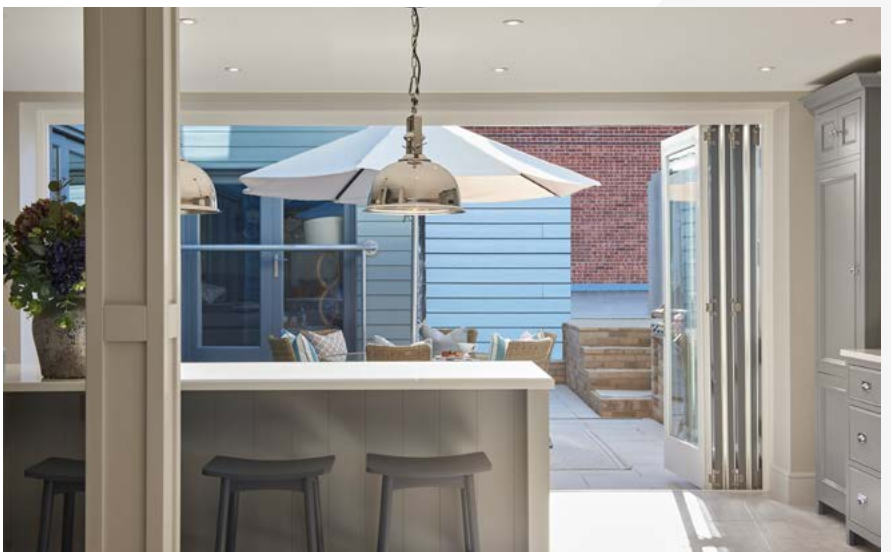
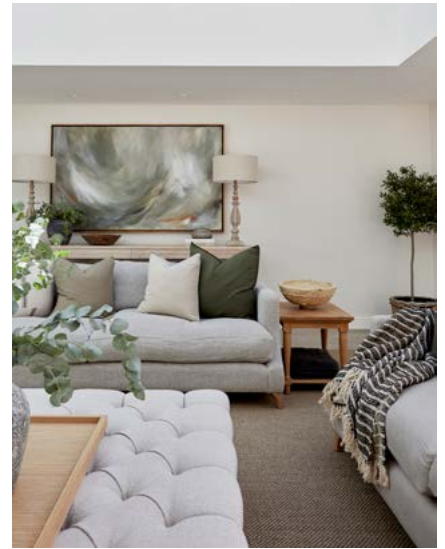
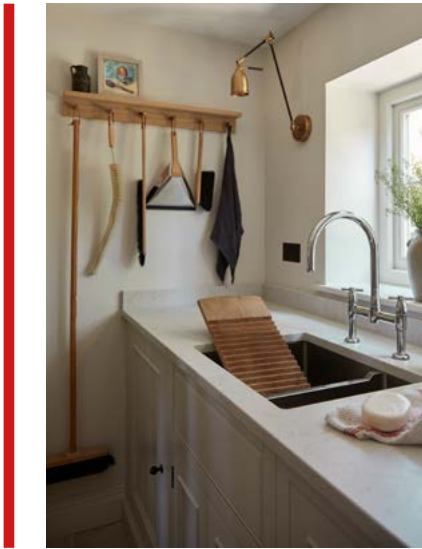
“ Inadequate or improperly placed lighting can diminish the impact of even the most beautifully designed spaces, making them feel dark, cramped, or uninviting.

to assess their condition and value to the overall design scheme. A designer can provide guidance on which features are worth preserving and integrating into the new design, and which can be replaced or updated more cost-effectively.

**4. Missing Opportunities to Bring in More Light:** Many homeowners overlook the potential to increase natural light during renovations, resulting in spaces that feel darker and less inviting than they could be.

How to Avoid It: Maximise natural light by considering window placements, adding skylights, or even opting for glass doors where appropriate. An interior designer can help you identify opportunities to enhance natural light, making your space feel brighter and more spacious.

■ [www.clairegarnerinteriors.com](http://www.clairegarnerinteriors.com)





# ELEVATING OUTDOOR CONSTRUCTION

A dive into fabrics for projects from Kayospruce

From creating shade structures to building enclosures, the choice of fabric plays a crucial role in the success of any outdoor project. Kayospruce, a leading provider of high-quality fabrics, offers a diverse range of materials and fittings tailored to meet the demands of outdoor construction. In this article, we explore the versatile fabrics available from Kayospruce and how they can enhance your outdoor construction endeavours.

## 1. PVC, Solution Dyed and Coated Fabrics:

For outdoor construction projects requiring exceptional strength and weather resistance, PVC, Solution Dyed and Coated Fabrics are an

ideal choice. These fabrics are constructed to make them highly durable and water resistant or waterproof dependant on your requirement. From temporary structures like tents and event pavilions to permanent installations such as awnings and canopies, PVC, Solution Dyed and Coated Fabrics provide reliable protection against rain, wind, and UV exposure. Kayospruce offers a variety of PVC, Solution Dyed and Coated Fabrics in different weights and colours, allowing for customization to suit specific project requirements.

## 2. Mesh Fabrics:

In applications where airflow and visibility are key considerations,

mesh fabrics from Kayospruce offer an excellent solution. Constructed with open-weave designs, these fabrics allow air to circulate freely while providing partial shade and UV protection. Mesh fabrics are commonly used in enclosures and privacy screens or as ventilation panels. Their lightweight and flexible nature make them easy to install and manoeuvre, while their durability ensures long-term performance in outdoor environments. Kayospruce offers mesh fabrics in various densities and colours to accommodate different construction needs and aesthetic preferences.





Image courtesy of C&J Outdoors

### 3. Shade Sail Fabrics:

Shade sails have become increasingly popular in outdoor construction for their ability to provide shade and architectural interest to residential and commercial spaces. Kayospruce offers a range of shade sail fabrics designed to withstand the elements and create visually striking shade structures. These fabrics are engineered for durability and UV resistance, ensuring prolonged exposure to sunlight without fading or degradation. With a variety of colours available, Kayospruce enables architects, designers, and builders to create customized shade solutions that enhance outdoor environments while offering protection from the sun's harmful rays.

### 4. Tent Fabrics:

From temporary shelters to semi-permanent structures, tents play a vital role in outdoor construction projects such as events, festivals, and worksite enclosures. Kayospruce supplies a diverse selection of tent fabrics engineered for durability, weather resistance, and ease of installation. Whether you need lightweight fabrics or heavy-duty materials for large event marquees, Kayospruce has you covered. Their tent fabrics are available in various strengths, coatings, and colours, allowing for customization to meet specific project requirements while ensuring reliable performance in challenging outdoor conditions.

### 5. CNC cutting:

Kayospruce not only has the ability to supply Fabrics and Hardware for your outdoor project they can also cut your bespoke design with their cutting edge team and unique large

“ From creating shade structures to building enclosures, the choice of fabric plays a crucial role in the success of any outdoor project.



Image courtesy of C&J Outdoors



Image courtesy of Elite Architectural Awnings

cutting table. Just send us your design files and we will have your design back to you quickly and with all the necessary accessories in one delivery (threads, zips, fasteners etc etc).

### Conclusion:

Choosing the right fabric is essential for the success of outdoor construction projects, where durability, weather resistance, and performance are paramount. With Kayospruce's extensive range of high-quality fabrics, builders, Interior Designers, architects,

and contractors can find the perfect materials to enhance their projects and withstand the rigors of the outdoors. Whether you're constructing shade structures, tents, or temporary enclosures, Kayospruce's fabrics provide the durability, versatility, and reliability needed to elevate your outdoor construction endeavours. Explore their selection today and build with confidence in any outdoor environment.

■ [www.kayospruce.com](http://www.kayospruce.com)  
01489 581696



# INTRODUCING SNOWFALL

A new era of innovative colourful flooring featuring Thrive<sup>®</sup> matter yarn

New snowfall<sup>®</sup> by Burmatex<sup>®</sup>, is a groundbreaking carpet tile that seamlessly blends innovative design with environmental responsibility. Crafted with Universal Fibers<sup>®</sup> Thrive<sup>®</sup> matter yarn, the world's first carbon-negative recycled yarn, it takes its design inspiration from the undulating patterns made by snowfall.

Thrive<sup>®</sup> matter stands alone as the most environmentally conscious solution-dyed, high-performance nylon fibres in the World.



This, combined with Burmatex®'s unique BioBase® recycled backing, makes snowfall® a carbon-neutral product, setting a new standard for interiors.

Snowfall® offers an expansive and versatile colour palette with 16 shades, ranging from neutrals and contemporary greens to luminous peaches and icy blues. Each shade is carefully curated to reflect the natural beauty of winter landscapes, making it ideal for contemporary, trend-led workspaces that require both style and functionality.

The versatile random-pattern-match design and beautiful colour palette makes it ideal for zoning different areas within an office, offering a practical solution for open-plan environments. Whether used to define collaborative spaces, quiet zones, or meeting areas, the snowfall® tiles can seamlessly adapt to various design needs.

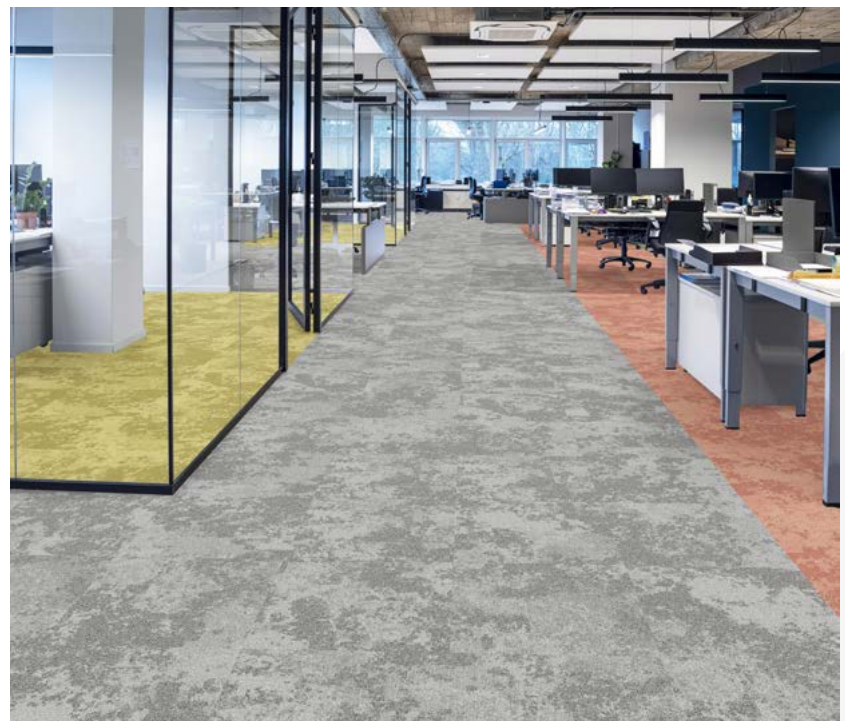
Burmatex® Designer, Holly, shares her insights on the snowfall® creative design process, "Snowfall® was born out of a desire to capture the understated elegance of snow patterns and the shadows they create. We wanted to develop a range that not only stands out visually but also provides versatility for various interior applications."

Vivien, Burmatex® Head of Design, emphasises the importance of collaboration in the product's development, "The more we work with Thrive® matter yarn from Universal Fibers®, the more we discover its incredible potential. Our collaboration with Universal Fibers® has been instrumental in pushing the boundaries of what's possible in the development of sustainable flooring options."

Anna Plumb, Vice President of European Sales and Marketing at Universal Fibers®, highlights the joint effort, "Snowfall® is a perfect example of what can be achieved when companies work closely together. By combining our yarn expertise with Burmatex®'s design vision, together we have created



Our collaboration with Universal Fibers® has been instrumental in pushing the boundaries of what's possible in the development of sustainable flooring options.



a sustainable product that not only meets our commitment to lowering embodied carbon but also delivers exceptional design and performance."

Snowfall® is supported by Burmatex®'s comprehensive recovery take-back service - by partnering with local organizations, they find new homes for used carpet tiles,

ensuring that they continue to serve a purpose within the community. By using the recovery take back service, you can ensure none of your used carpet tiles end up in landfill.

Simply put, snowfall® is a testament to sustainable workplace design innovation.

■ [www.universalfibers.com](http://www.universalfibers.com)



## A CURATED HOME

TAofD: Can you tell us a little more about this project?

PD: We were presented with a dull basement property in the heart of London that lacked any character. Through a rigorous design process, we were able to convert this flat into a completely amazing oasis of light. Utilizing tactile materials such as linen, rattan, jute, live-edged wood and lime wash we achieved a 'trend-setter' apartment.

TAofD: Which interior design styles can you cater to?

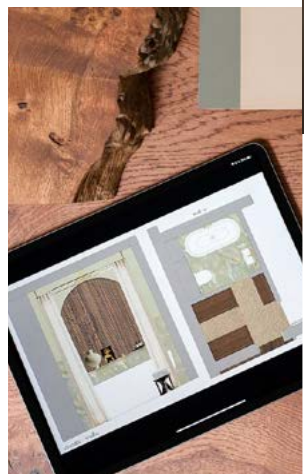
PD: We are not limited to a specific interior style because it's not about us, but what the customer's lifestyle, requirements and budget is.

TAofD: What are some of your favorite decor suppliers?

PD: We love sourcing from 1st Dibs, Eichholtz, Bauwerk, Nordic Knots, and Jim Lawrence amongst others. I also do a lot of bespoke furniture and lighting for my clients.

TAofD: What's your interior design process?

PD: Once on board, we present a comprehensive overview that includes moodboards, 2D CAD drawings, 3D visuals, sketches etc. This helps us create a detailed project plan with key dates and details, our clients love the transparency that it provides them with.



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# NEXT PHASE OF CHESTERFIELD CANAL RESTORATION PROJECT BEGINS

Works will reinstate historic routes, boost habitats and biodiversity, and enhance local economic activity

Alongside Chesterfield Canal Trust, landscape architecture practice, Influence Landscape Planning & Design, has announced the commencement of works on the next section of the Chesterfield Canal restoration project.

The works, which are taking place on a 2.6km stretch of the canal, from Staveley Basin to the south of Renishaw, Derbyshire, will revitalise the historic canal for people to enjoy and for nature to thrive.

Funded in part by the Staveley Town Deal, these works will see the reconstruction of up to 850 metres

of canal channel, the construction of two new bridges - including a bridleway bridge to carry the Trans Pennine Trail over the canal - a new lock, and the enhancement of footpaths and cycleways.

Following planning permission in 2021, on behalf of Chesterfield Canal Trust, Influence Landscape Planning & Design was appointed to produce a landscape masterplan for the project, which led to detailed landscape plans and a Landscape and Ecological Management Plan (LEMP). Working alongside Peak Ecology and Rodgers Leask Consulting Engineers, the team successfully

discharged the planning conditions related to the works.

The design features of the landscape plan include attractive seating areas, viewing points, areas for families to play, information boards and clear wayfinding - as the scheme is integrated with the surrounding network of public rights of way.

The landscape proposal includes native tree and shrub planting, areas of wildflower meadow, and aquatic planting along the length of the canal, creating a picturesque backdrop and a robust habitat for wildlife.



Since restoration began in 1989, 12 miles of the Chesterfield Canal have been restored, alongside 37 locks, 11 bridges, and two marinas. The most recent sections completed include Staveley Basin in 2012 and Hartington Harbour in 2018.

This phase of construction works is being delivered by midlands-based O'Brien Contractors, who are leading the first phase of this 18-month project, which includes major groundworks to clear the canal route and the landscaping. Following this, the abutments for the new Trans Pennine Trail bridge will be constructed, and by October, the 38-meter-long structure will be installed.

Subsequent phases will see the reinstatement of the canal length, a new lock, another accommodation bridge at the bottom of Bellhouse Lane, a pumping system, and the creation of Bellhouse Basin. The towpath will be upgraded to a multi-user trail, extending across the Doe Lea Valley to Renishaw. This restoration project not only enhances outdoor spaces and creates new leisure infrastructure, but it is also expected to increase visitors to the Staveley area by 20%, boosting local economic activity.

George Rogers, Development Manager at Chesterfield Canal Trust, said: "This project represents a major advance in the restoration of the Chesterfield Canal, as we move out of Staveley and into the Doe Lea valley. Moving into a more rural environment, it was really important to us that we gave proper consideration to the landscaping and to ensure that the restoration has a positive impact



It's fantastic to see these former canal routes coming back to life and the historic importance of this site is truly fascinating.



upon its surroundings for both wildlife and the community.

"Working with Influence and Peak Ecology on these plans has been enlightening and rewarding, and we are excited to see the new landscape maturing over time and the local community being better able to access this wonderful corner of Derbyshire."

Kathryn Dunk, Principal Landscape Architect at Influence Landscape Planning & Design, said: "It's been such a pleasure to be involved in a project that marries engineering heritage with new public spaces for all to enjoy, and importantly, this scheme gave us

the opportunity to reinstate and enhance native planting to create new habitats for wildlife.

"It's fantastic to see these former canal routes coming back to life and the historic importance of this site is truly fascinating. The team and I look forward to seeing people spending leisure time on the newly restored pathways and on the water."

Chesterfield Canal Trust invites the public to follow the progress of these works on its website, which shares the ongoing efforts to bring the historic canal back to life.

■ [www.influence.co.uk](http://www.influence.co.uk)

# GARDEN ROOMS

Looking for this year's garden project? Look no further

Garden rooms aren't just a room in your garden, they're rooms which add value to your life & your home. A fully insulated garden room is just like a room in your house, but has the added benefits of not needing deep foundations, lengthy (and costly) building work, or the inconvenience of having an extension. And they can also be installed in just a few days! Not only that, they generally fall under the permitted development right, so it can be a quick turnaround from order to installation.

From garden bars, home offices & studios, to garden gyms and chill out spaces, Cabin Master design, deliver & install bespoke garden room solutions throughout the UK, offering the full end-to-end service, including base/foundations, electrics, flooring and painting, bringing you that much needed extra space you can use all year round. So, if you're searching for the perfect garden room, Cabin Master are the experts and very local too! Their factories in Derbyshire hand craft your building to order and their 10 year guarantee gives you great peace of mind.

If you are looking to purchase a new garden room, you can rest assured that the level and volume of insulation have significantly increased in recent years. This means that you can expect your garden room to be much better at



If you are looking to purchase a new garden room, you can rest assured that the level and volume of insulation have significantly increased in recent years.

retaining heat during winter than older models. Ergo, it will certainly be comfortable during the winter.

### See the quality for yourself!

They have two outdoor show sites in the Midlands. The largest one, which is home to 27 different buildings, is situated in Stapleford, Nottingham. The second show site is based in Studley, just south of Birmingham. With different sizes and styles of buildings on show you can see the quality in the craftsmanship first hand. You can also visit their sister company, Arctic Cabins, to see a range of BBQ huts and Garden

Bars. Their cabins are not only eye-catching but usable all year round.'

With over 20 years experience in designing, manufacturing and installing garden rooms throughout the UK - you only need to look at the Trustpilot review page to see their customers' journeys and experiences are outstanding, so you can trust Cabin Master to deliver your perfect space.

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# OSMO ONE COAT ONLY HS PLUS

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With over 140 years of expertise, Osmo has perfected the crafting of natural wood finishes, understanding what's needed to protect and enhance wooden surfaces.

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The One Coat Only HS Plus deeply penetrates and nourishes the wood, keeping it healthy and flexible. Its finish resists cracking, peeling, and flaking, ensuring a long-lasting surface. Plus, with proper maintenance, there's no need for sanding when it comes time to top up or renovate.

Key Benefits of Osmo One Coat Only HS Plus:

- Single-coat application - saves time and money.
- Transparent finish - lets the natural beauty of the wood grain shine through.
- UV and weather resistance - protects wood from the elements.
- Safe for all - once dry, the finish is non-toxic to humans, animals, and plants.
- Microporous layer - breathable, preventing cracking, peeling, or flaking.

And that's not all. With the Osmo Tinting System, you're no longer limited to the original colours. You



Its finish resists cracking, peeling, and flaking, ensuring a long-lasting surface. Plus, with proper maintenance, there's no need for sanding when it comes time to top up or renovate.



can now mix to create virtually limitless shades, including the ability to match RAL, NCS, or British Standard colours, not to mention Osmo's Elements colours.

In-store mixing is also available on the same day at selected Osmo stockists, equipped with the Tinting System.

Osmo's High Solid formula uses minimal solvents, reducing emissions during application. This formula not only extends the wood's surface coverage but also enhances the longevity and durability of the finish.

Through extensive research and development, Osmo now offers an expanded range of shades, providing a personalised touch for every project. With high solid content, top-tier quality, and impressive coverage, Osmo has the perfect wood-finishing solution for you.

■ Discover more: [www.osmouk.com](http://www.osmouk.com)

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Our 3D templating technology means we can visit your client site and take accurate and precise measurements of the space, alongside designs or drawings. Our experts can take this information and help you choose a design and material which will best achieve the desired result.

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Our masonry team then create your staircase in premium natural stone. With state-of-the-art machinery, and our highly skilled team, we are able to take on large, complex projects with ease, from residential to commercial and public realm. Our stone is cut, edged and finished to your specification, taking into account technical requirements such as slip resistance and thickness, alongside bespoke features such as embedded lighting.

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# SHEEPFOLD HOUSE

An historic building nestled amongst a Dutch landscape

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In the middle of the Netherlands lies a brick sheepfold that has fallen to ruin and is already mentioned in the oldest cadastral information of 1832. This sheepfold has a traditional rectangular plan with three-sided extended end gables and is the last of this type in this area.

From the end of the 19th century, sheepfolds fell into disuse with the use of artificial fertilizers and the reclamation of heathland, making sheep farming for manure

no longer necessary. After serving as pigsties for some time, the sheepfolds lose their usefulness in agricultural operations and are demolished. Of this last sheepfold, a national monument that escaped total demolition, only parts of the brick outer walls remain.

The new owner decided to rebuild the characteristic building and thereby preserve this heritage for the future. Since reuse is the best form of preservation, the new sheepfold will be converted

into a recreation house. To this end, the wooden facade parts will be opened up with glass and wooden slats. Behind the existing stable doors, large windows will be installed.

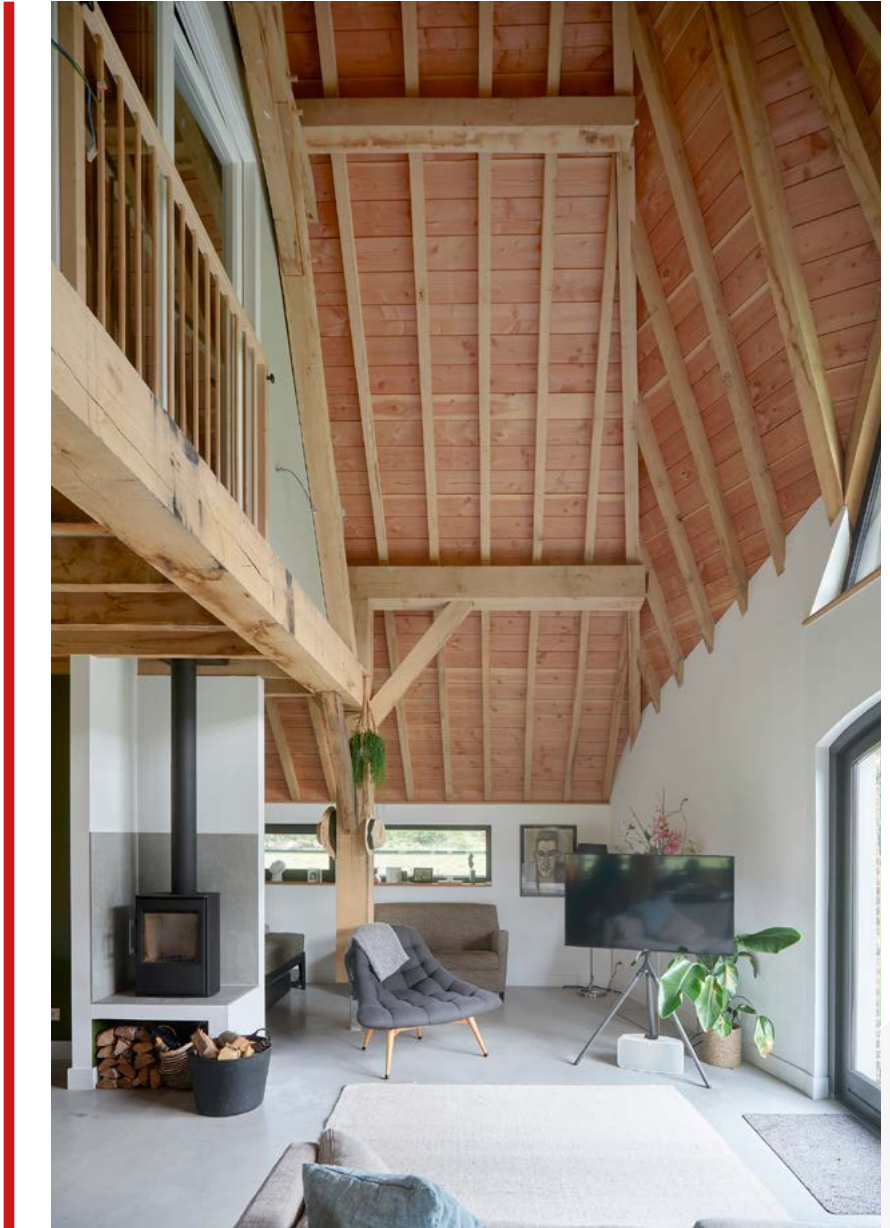
Modern timber construction techniques were used to rebuild the old trusses and the rafter roof. Space has been created between the trusses for a bedroom and bathroom without affecting the characteristic contours of the sheepfold. In the interior,



The new owner decided to rebuild the characteristic building and thereby preserve this heritage for the future.

the visible timber construction determines the atmosphere and the spaciousness of the open sheepfold is guaranteed. The latent contour of the historic volume has re-emerged and stands out against the sky and landscape, returned from the past. The Dutch landscape has once again gained an authentic building where people can have a good time.

- Architects: Hilberinkbosch Architecten
- Area: 102 m<sup>2</sup>
- Photographs: René de Wit, CheeseWorks
- Lead Architects: Geert Bosch, Annemarijken Hilberink, Frenske Wijnen



## Building in futureproofing

Today's homeowners look for multi-functional living spaces to work, play, socialise and relax. But as Gen X follow Boomers into retirement or semi-retirement, demand for future-proofed homes is also growing fast.

'Ageing in Place' is much-talked-about and means remaining in an existing home instead of moving into 'later living' apartment complexes.

Stairs are often the first stumbling block in later years, even for mobile individuals. A simple slip or fall can completely derail plans to age in place and continue living independently in familiar surroundings.

Before any of this becomes an issue, when remodelling or refurbishing, consider installing a homelift. Today's homelifts are elegant, discreet and attractive additions to any style of property.

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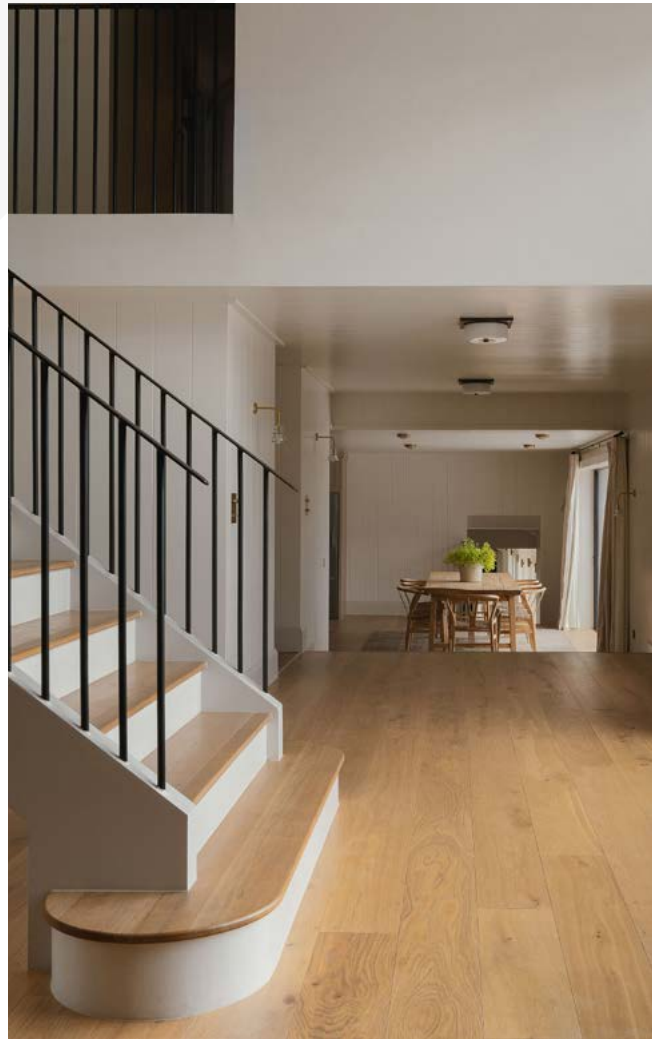


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*Burnt Umber Bristol Tectonic Oak Stairs 3*



*Buttered Toast Bristol Tectonic® Oak 05*  
*Designer: House Nine Design*  
*Photo: Robin Quarrelle*

# STARICASE TRENDS

## Chaunceys Timber Flooring

**1. Do you have any tips or ideas on how to make a staircase look modern? What are they and why would you recommend them?**

Choose waterfall or square-edged nosings to create clean lines for a modern aesthetic. Open-string staircases and floating cantilever staircases are striking contemporary choices, especially if you incorporate different materials such as glass and metal with high-quality wooden steps, treads, and risers. These designs allow more light into the space and can make a huge visual impact.

**What are some of the current staircase trends? Would you recommend them/what type of homes would you recommend them for and why?**

Many of our clients are requesting bespoke stair elements colour-matched to their wood flooring. Matching our wood flooring to a staircase is a great way to continue the luxurious aesthetic of wood flooring and create a sleek, seamless transition that can suit any home. Bespoke curved oak stairs are becoming more popular with clients designing spaces in high-end contemporary new-builds too.

**How would you make a staircase look more interesting or make it stand out?**

Incorporating atmospheric lighting into a stylish wooden staircase is an excellent way to showcase the natural charm of the wood and make your stairs the star of the show.

**How would you go about decorating a staircase so that it doesn't look boring?**

The unique natural character of wooden treads and risers should ensure that it never looks



*Summer Truffle Bristol Tectonic Oak 3*  
 Architect: Studio McLeod  
 Designer: Kitesgrove

boring. However, the options for decorating your stairs are endless, so feel free to get creative with your designs. You could try painting your risers white for a clean, classic look that focusses attention on the wooden treads, or even choose contrasting colours or playful patterns. Alternatively, you could opt for a stylish stair runner if it suits your decor choices.

**What is the best colour for stairs in your opinion? And why?**

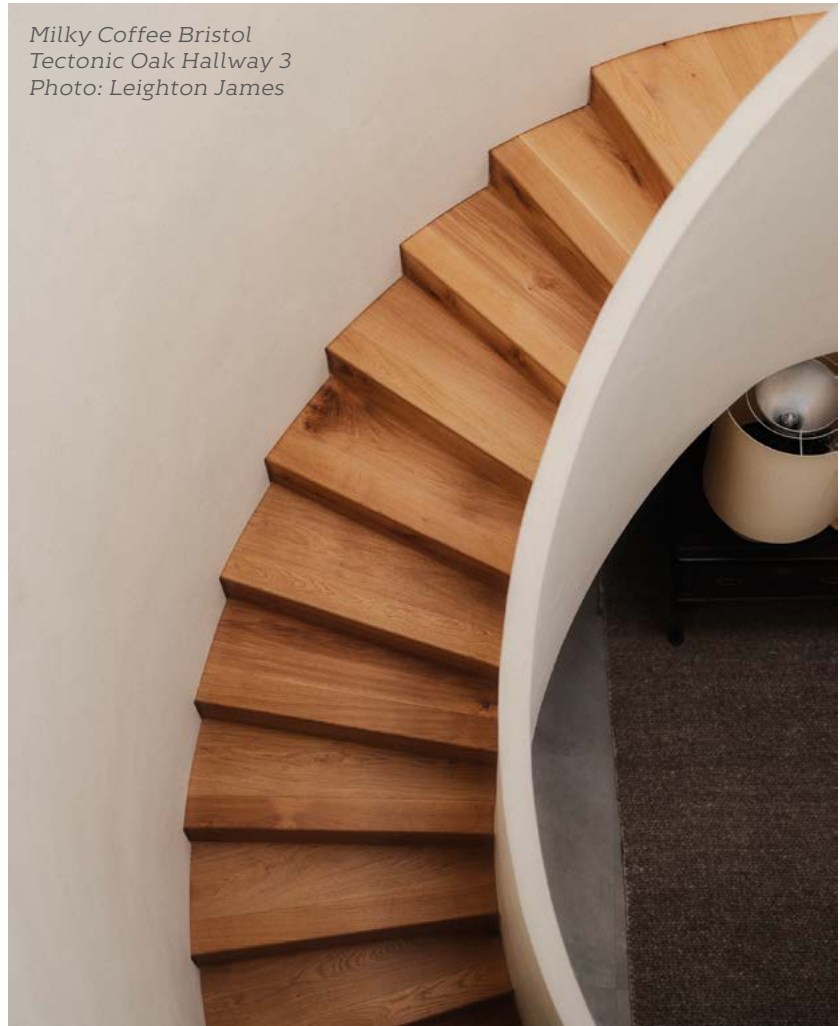
Colour-matching your stairs to your flooring is the most obvious choice to create a stylish, cohesive look. But you can choose whatever finish you want for your stairs, even opting for contrasting colours for the treads and risers to make them stand out with a playful decorative design choice.

**Would you recommend going for a gloss or a matte finish on stairs? And why?**

Matte finishes seem to be a popular choice now— ideal for creating a more pared back, natural look. Again, it depends on whether you are integrating your stairs with your wood flooring. If you are, we'd always recommend matching the sheen levels.

■ [www.chauncey.co.uk](http://www.chauncey.co.uk)

“ Incorporating atmospheric lighting into a stylish wooden staircase is an excellent way to showcase the natural charm of the wood and make your stairs the star of the show.



*Milky Coffee Bristol*  
 Tectonic Oak Hallway 3  
 Photo: Leighton James



*Dream White Tectonic® Oak Stairs*  
 Architect: Erbar Mattes Architects  
 Photo: Ståle Eriksen



*Church Pew Brown Bristol Tectonic® Oak 06*  
 Designers: Aram Gevorgian, Linda Gardiner  
 Photo: Uliana Grishina

# UNIFOLD®

## A custom designed solution

Over 400 metres of the Unifold® Gutter lining system was installed on London's iconic venue, The Royal Albert Hall, throughout the summer of 2023.

The Unifold® Gutter Lining System was chosen for its versatility, unfailing ability to replicate existing systems and its long life.

Following a survey by Ampteam personnel, along with Saper Glass Industries Limited, a design solution was provided for the gutters and samples were sent to test fit the Unifold® gutter lining within the gutter cavity, as the throat dimension varied considerably across the profiles.

All runs of the gutter were manufactured to suit the curved nature of the dome which roofs the Hall, and to fit within the minimal throat dimension between the glazing and glazing bars, meaning that bespoke faceted and cranked joint plates were provided so that the new Unifold® lining could follow the profile of the existing gutter.

Full site information was provided including laying sequences, special details and instructions with each delivery of the system.

Ampteam were partnered by Approved Installer, Saper Glass Industries Limited and Faithorn Farrell Timms as contract administrator, and their input and expertise, along with comprehensive discussions throughout, enabled a successful installation of the Unifold® system.

Following installation of the Unifold® every Unifold® gutter run was water tested by flooding the gutter from the top of the run(s) via hose, with additional assistance from the poor weather, and no leaks were detected in any of the installed gutter runs.

Ampteam developed the Unifold® gutter lining system some 20 years



The Unifold® Gutter Lining System was chosen for its versatility, unfailing ability to replicate existing systems and its long life.

ago to provide custom designed solutions to leaking gutter problems.

Unifold® utilises an EPDM membrane at the wet surface for longevity without fear of corrosion, it employs a double sealed joint which can be guaranteed not to leak and the system is engineered to maximise the potential of each and every installation whether it be in conjunction with roof replacement or over sheeting or just to re-line the existing gutter.

It is very often a practical and cost effective solution to consider lining an existing gutter and Unifold® offers exceptional life expectancy and corresponding joint integrity, often far better than the original gutter and following design consideration can often actually increase existing gutter capacity, enlarge outlet orifices and introduce additional outlets with relative ease.

Whenever possible gutters are surveyed by Ampteam personnel. The company actively encourages

contractors to use its survey services and this is available throughout the UK and each Unifold solution is designed to provide the client, the building occupier, with the best possible solution and on occasions this will result in an improvement in performance to the original gutter.

Unifold® is provided with full technical support from advice at the inception of an enquiry through to installation and beyond. Our countywide network of fully trained approved contractors are available to install and provide maintenance inspections and cleaning when required.

Unifold® is installed by approved contractors whose installation teams have been fully trained by Ampteam personnel in house at our training facility and following installation, by an approved contractor, the gutter lining is guaranteed for a period of 30 years.

■ [www.gutterliners.com](http://www.gutterliners.com)

# Imitation is always flattery...

But none can match the excellence of a system that is truly complete

## THE UNIFOLD GUTTER LINING SYSTEM.

Having faced and solved every problem experienced in its long life with consummate ease UNIFOLD remains THE GOLD STANDARD to which others aspire!

**UNIFOLD – Unrivalled excellence in Gutter Lining Technology.**



## AMPTTEAM

UNIFOLD® Unrivalled excellence in gutter lining technology.  
[www.gutterliners.com](http://www.gutterliners.com)

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## AMPTTEAM

Unrivalled excellence in gutter lining technology.  
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# ROOFMAKER CASE STUDY

## Nottinghamshire Luxlite Pitched and Fixed Flat Rooflights

Helen and her husband Tom had a vision to create their dream home from a redundant canine hydrotherapy centre. As an interior designer Helen is no stranger to having a vision and creating something unique and special, however her skills were tested with this full renovation project. After a lot of hard work from Helen, Tom and their team, the existing abandoned commercial building has been converted to a stunning residential home.

### Planning

Finding the perfect plot of land is never easy but when Helen found her plot in the beautiful Nottinghamshire countryside, she knew it was the right choice. The bonus was there was a building she could convert into a house, the challenge being it was a redundant commercial building that had been used for canine hydrotherapy. There was still water in the pool when she acquired the land. To create a residential property the building needed not only a full

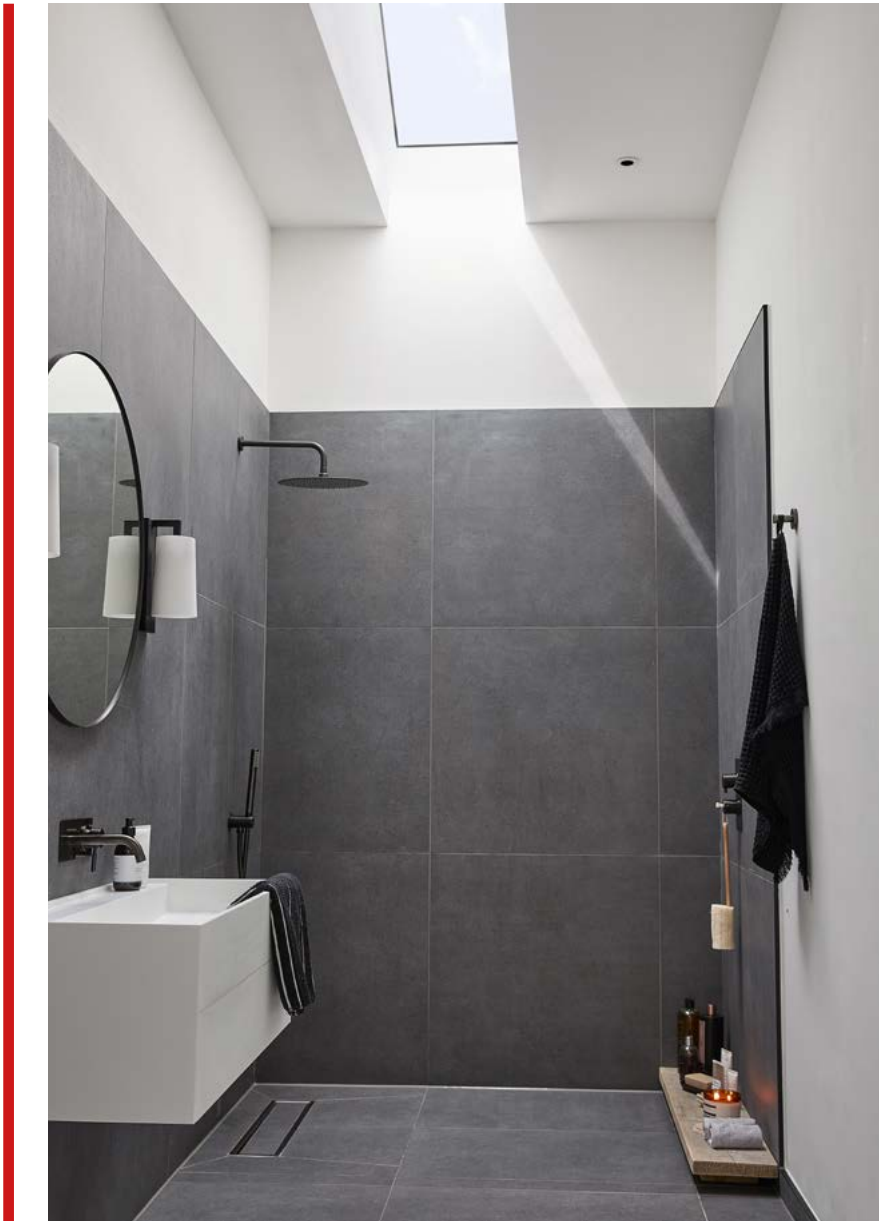
renovation but other elements such as heat, electric, water etc.

The extent of the renovation project meant Helen and Tom had to go into a rental property nearby. They spent many months working hard to clear rubbish and debris so that the builders could concentrate on the building. The brief was to create a three-bedroom, two-bathroom single story home with open plan living spaces. The aesthetic is minimal Scandi inspired with black cladding.



Helen consulted with an Architect she knew, David Jackson-Crane of Jackson Crane Architecture, who she was confident would be perfect to bring her vision to life. David commented "One of the key elements of the design brief was to bring as much natural light into the building as possible as the existing building was very dark. By introducing a vaulted ceiling and large, strategically placed floor to ceiling windows we were able to maximize the amount of natural light entering the space. We arranged the habitable rooms to the perimeter of the building to allow for views over the countryside. We wanted to avoid the leftover space to the centre of the building becoming a dark circulation space so very early on in the design process, we imagined this as an atrium space which could be used as a breakout space rather than a conventional corridor only used to access the rooms. We proposed a large frameless fixed rooflight over this atrium space to flood the area with natural light. The added volume and sense of height in this space creates a bright and airy atmosphere and makes the space a pleasure to experience as the homeowner passes from room to room.

As the project developed, Helen could see that the space needed minimalistic rooflights with clean lines. After discovering Roof Maker through some online research, Helen chose a large Fixed Flat for the hallway area to bathe the room in natural light and she selected a Fixed Luxlite for the bathroom, due to the room layout this would be the only source of light so she really wanted to ensure the rooflight worked in the space. A Roof Maker Luxlite®



has a frameless view from the inside, so it lets in more light than traditional pitched rooflights.

Helen found Roof Maker very professional, the communication was excellent especially as they were renovating during Covid lockdown and there were supply issues across the whole construction industry. She

commented "My experience with Roof Maker was good from start to finish...I didn't have to chase, they kept me informed every step of the way. The staff and communication were brilliant and the fact it (rooflights) was delivered by their own drivers and offloaded and checked by them - I was really impressed with the service."



Helen remembers feeling nervous watching the crane lift the large Fixed Flat rooflight onto the roof, but her builder had it all under control. It was such a large piece of glass and so heavy, they had to have a crane to get it into place.

### The Result

Helen commented "I love natural light, it's important to me for my home to be flooded with it."

Looking back at the challenges, Helen noted the main ones were planning and getting services installed. Building during Covid obviously gave them more challenges, including the huge rise in the cost of materials but ever the positive thinker Helen commented "My philosophy is 'Keep your eye on the prize' and then you will get that 'it was worth it moment'."

Helen said "I realised what we were going to gain by having the rooflights...on install day when they actually took the tarpaulins down and it was like someone had put every single light on in the building."

Reflecting on the project Helen noted "I think it's made us appreciate our home more



I realised what we were going to gain by having the rooflights...on install day when they actually took the tarpaulins down and it was like someone had put every single light on in the building.



knowing what's gone into creating it and working so hard ourselves during the project."

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■ [https://youtu.be/1\\_Ss31STW5M](https://youtu.be/1_Ss31STW5M)  
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# CLASS 1 MAGPLY BOARDS WITHSTAND REAL LIFE FIRE TEST ON SURREY HOME

## Magply

---

A potentially catastrophic blaze, which consumed the garage containing a parked vehicle adjoining a £1M house in rural Surrey, was stopped in its tracks thanks to the use of 12mm A1 non combustible Magply being chosen as the render substrate board on the contract , the property was

constructed using a Structurally Insulated Panel system construction (SIP) with A1 non-combustible Magply being used on the exterior of the building as the substrate panel for the proprietary render system.

Magply is a multi-use A1 non-combustible board with an impressive library of testing for fire applications , in the offsite and timber frame sector the board is designed and specified to contain fire and support the emergency service with added crucial time!

Although the emergency services were quick to attend the fire, which happened in August, it had taken sufficient hold that the large timber framed garage was totally destroyed with just some sections of the frame still standing. However, the gable end to the house which features a relatively thin, weatherproof finish of the silica-based K-Rend suffered only surface damage. Remarkably, although areas of the render had spalled off, the 12mm Magply boards underneath had not even charred while they had fully protected the SIPs structure beneath: a fact borne out by the system supplier, Glosford SIPs, which took core samples to confirm the continued integrity of the insulated sandwich panels which are faced by OSB.



The home's owner confirmed: "The Magply boards stood up extremely well: although the K-Rend which took the full brunt of the heat cannot be easily removed. So, though the Magply base boards did an absolutely first-class job they are going to be replaced as a precaution before the gable end wall is re-rendered and we hope the repairs will only take eight weeks to complete - mainly down to the lead time for a couple of replacement windows to be delivered."

Fullers Plastering is based in nearby Brighton and is an approved applicator for a variety of render systems, whose manufacturers correspondingly recognise Magply as being a suitable substrate or carrier, in this case credit must be giving to James Corlett of fullers plastering for requesting John Malone National sales manager of IPP/ MAGPLY to attend the contract prior to construction to discuss the use of Magply as a render substrate board , in this case Magply was not part of the fire protection build up however Magply over performed and made the difference when needed.

Magply board is BBA certified and tested with the leading testing houses in the UK and testing is an ongoing project ensuring our board is tested right up to stringent levels required , Magply is a magnesium Oxysulphate board and day to day we do get asked questions regarding MgO board , we as a business never want to see our board perform in real life fire situations however it happens and thankfully Magply has done its job in this case and a lesser board may not have performed the same.

For more information on Magply board we have a nationwide sales team in the UK and Ireland and our board is available across the UK and Ireland.

Magply is widely specified across the industry from modular to timber frame the board is also specified as part of the build-up for cladding systems on high rise properties, as well as pattrass boards to carry bathroom or kitchen fittings for the fit-out.

■ [www.magply.co.uk](http://www.magply.co.uk)

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