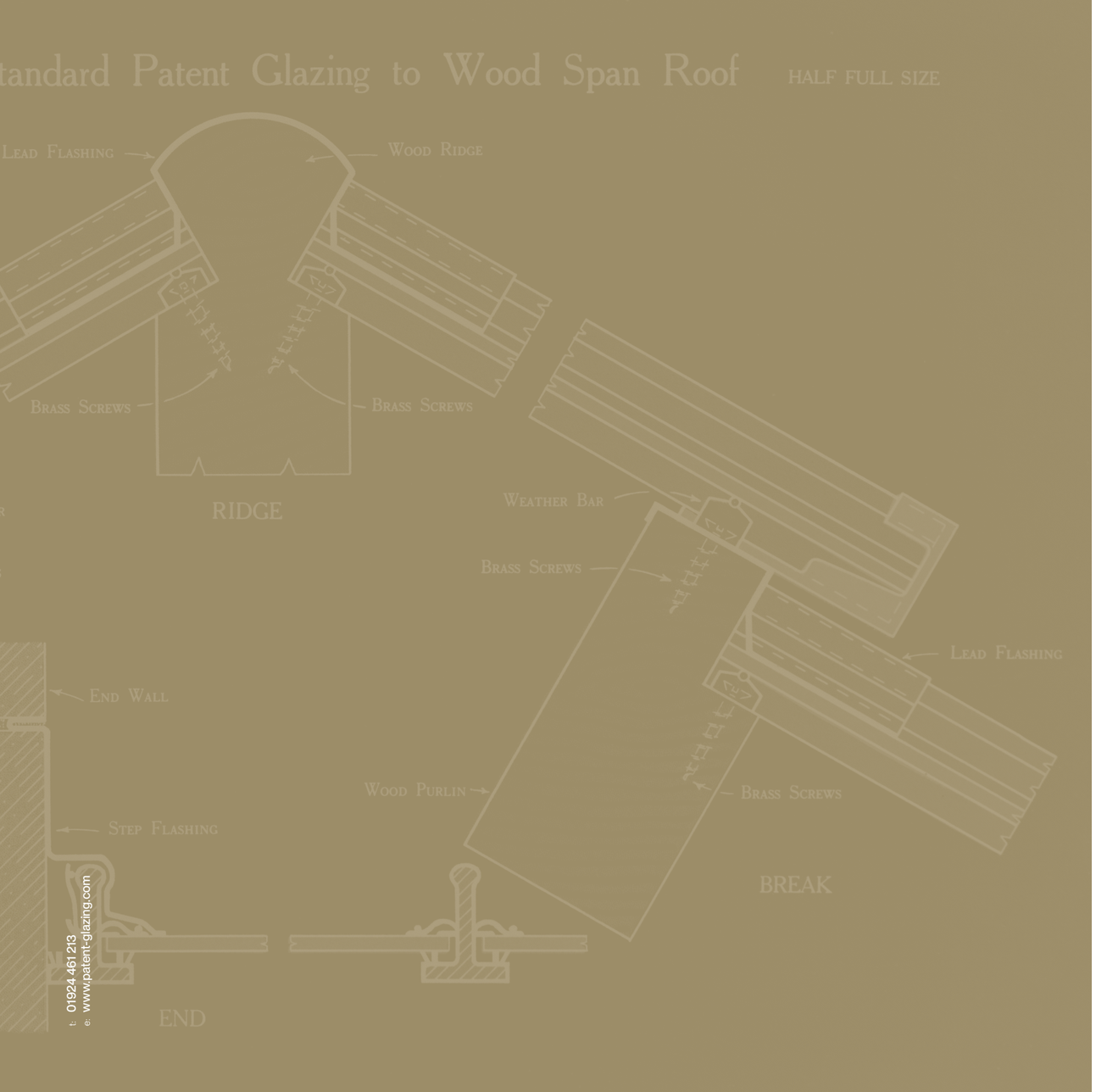
Heritage Glazing Systems. Designed to last a lifetime.

Standard
PATENT GLAZING
ESTABLISHED 1902

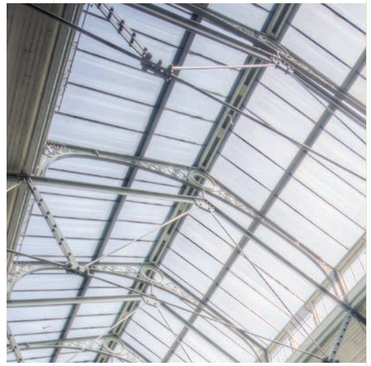
Heritage Patent Glazing Systems



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e. www.patent-glazing.com

Designed to last a lifetime.

The benchmark in heritage glazing



From the late 1800s up until the late 1940s all patent glazing bars were manufactured to the same specification as our Heritage range.

The introduction of extruded aluminium sections after WWII resulted in all patent glazing companies offering glazing bars in aluminium until eventually every other company ceased product on of their original steel bars in favour of aluminium only.

Standard Patent Glazing Co Ltd remains the only company dedicated to producing the original 'Heritage' Lead Covered Patent Glazing Bar, available in both single- and double-glazed versions. While some competitors attempt to market their modern aluminium systems as conservation products, only the Heritage Patent Glazing System faithfully preserves the authentic Victorian design, ensuring a true representation of traditional craftsmanship.

The Heritage system can accept glazed infill thicknesses from 6mm up to 30mm.

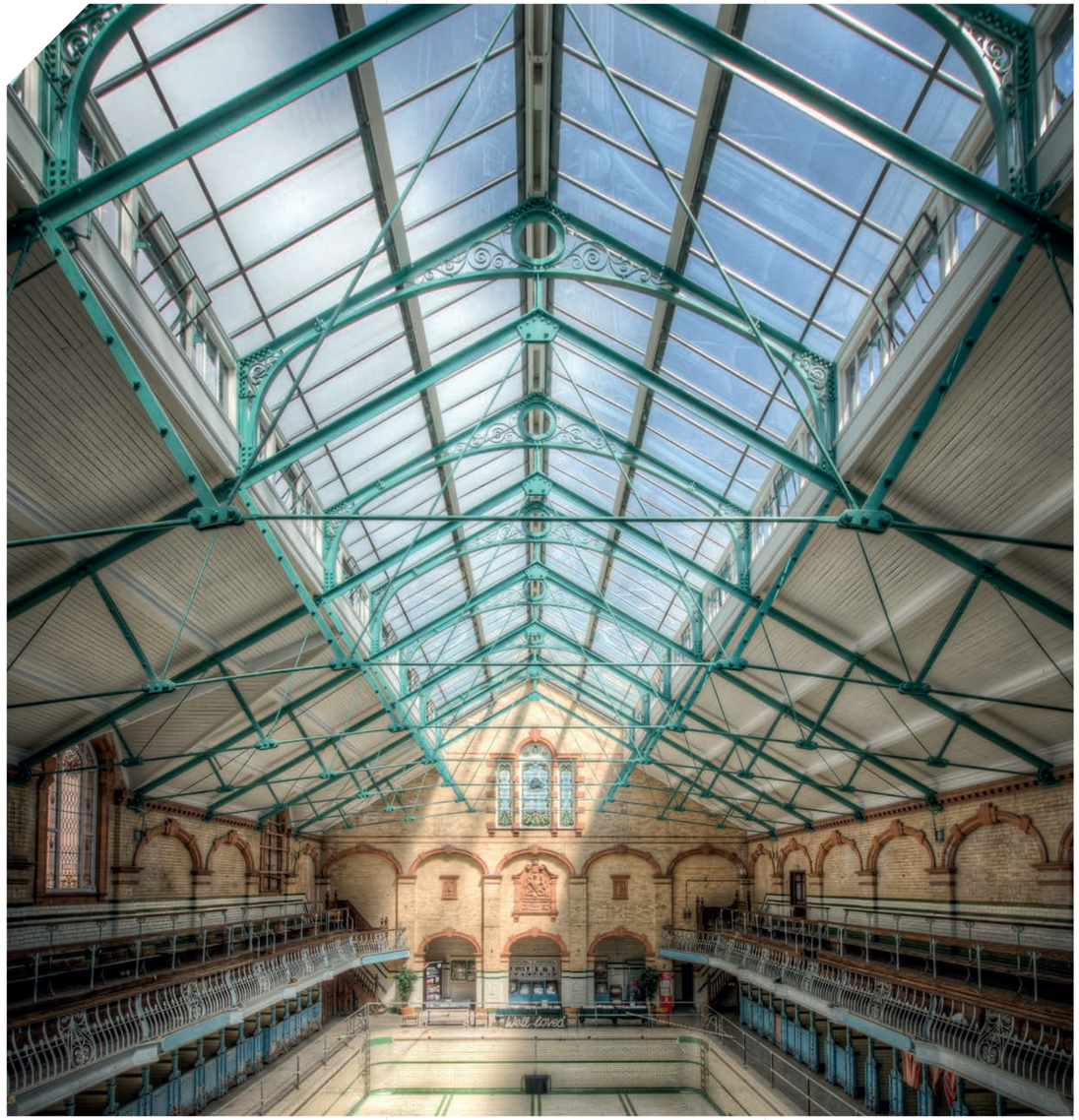
No other products are currently available on the market that can compare with our original bar which has a unique traditional look still popular with many of today's conservation architects and designers.

The glazing bar consists of a galvanised rolled mild steel core which is mechanically inserted into a seamless lead extrusion covering that incorporates a twin wing weathering system and glass seatings.

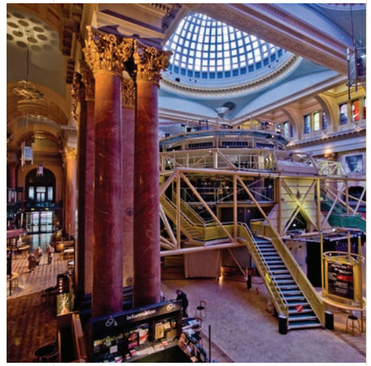
Our Victorian machinery incorporates special rollers to create a perfect secure fit between the separate steel and lead materials. The ends of the lead covers are then individually sealed by hand to produce a hermetic seal.

Original cast brass fixing plates and glass stop are screwed on to produce the finished glazing bar.

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Exceptional versatility, endless possibilities



Our Heritage Patent Glazing System is designed with exceptional versatility, accommodating a wide range of configurations for single, double, and triple glazing applications. The system can be seamlessly installed into various roof structures, including mono-pitched, duo-pitched, valleys, hips, tiers, vertical, in-line, raised, northlight, and canopy designs.

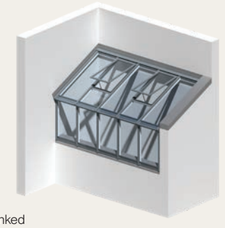
Whether for residential or commercial projects, the system's adaptability ensures it meets diverse architectural requirements. The possibilities are endless, making it the perfect solution for innovative and functional glazing designs.

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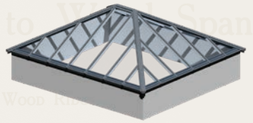
Here are some of the configurations we offer:



Canopy



Cranked



Hipped and ridge



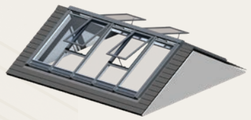
Mono-pitched to wall



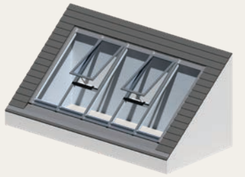
Northlight



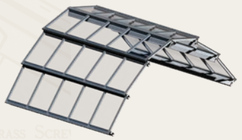
Raised above



Ridgelight



Slate roof in-line



Tiered



Valley

A unique and timeless roof glazing solution

Our Heritage lead covered steel patent glazing bar range is truly one of a kind. There are no alternative products available that can match the authenticity of an original lead covered steel patent glazing bar, a design that dates back to the Victorian era.

For over a century, we have manufactured this exceptional system without any alterations, ensuring its suitability for listed buildings and the refurbishment of historic structures. Its timeless design and historical significance allow it to blend seamlessly with the architectural integrity of heritage buildings.

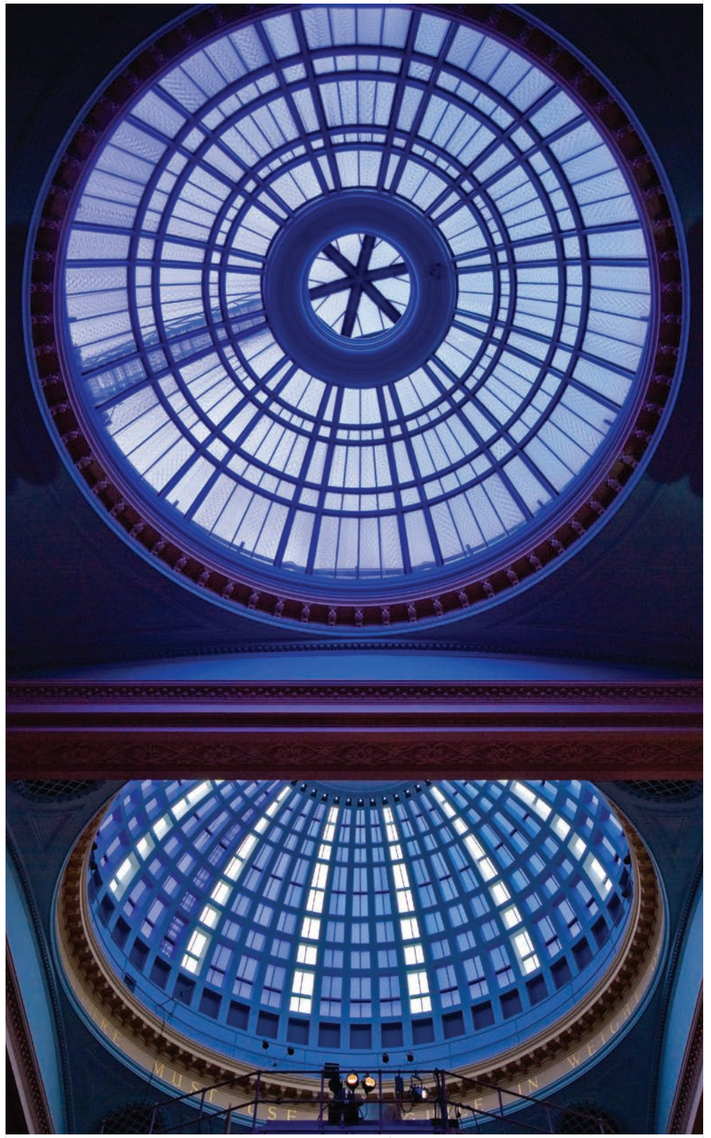
A versatile solution for historic and modern architecture

While the Heritage Patent Glazing System is the perfect choice for historic and protected buildings, it is also an increasingly popular solution for new build projects. Its classic appeal and distinctive character make it an excellent choice for modern structures where a traditional aesthetic is desired.

Combining historical authenticity with modern applications, this system provides an elegant and practical glazing solution that enhances a wide range of architectural designs. Whether restoring the past or adding character to contemporary constructions, the Heritage lead covered steel patent glazing bar range remains a premier choice in roof glazing.

Conformity to industry standards

The system is fully tested to BS 5516 for sloped glazing and meets CWCT TN66 & TN67 requirements for non-fragility, ensuring enhanced safety. It can comply with Building Regulations Part L if vacuum glass (VG) is incorporated for thermal efficiency and BS 6375-1 for weather performance, guaranteeing superior durability and resistance to environmental conditions when incorporating an inner pane of 1-B-1 laminated glass in accordance with BS EN 12600.



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Span chart

Performance data for Traditional Patent Glazing Bars.

Advantages

- Stylish economy canopy bar.
- Choice of outer capping sections or wings.
- Concealed fixings for capping option.
- Higher tolerance for discrepancies in structure.
- Suitable for accepting opening vents.
- Suitable for skylights.
- Suitable for canopies/walkways.
- Single glazing or polycarbonate options.

Considerations

This system is exempt from 'L' Reg compliance for listed and historic buildings or where trade-offs are applied in other areas of the structure.

However, for projects requiring compliance, it can be made 'L' Reg compliant by incorporating Vacuum Glass (VG) technology.

Bar section	Box depth (mm)	Ixx-mm^4	Zxx-mm^3 plastic podulus
No.7 SG	53	136,847	4189
No.7 DG	53	136,847	4189

Roof span (mm)*		
Double glazing	Single glazing	Canopy glazing
–	1420-3570	1540-2800
1350-3270	–	–

The glazing bar spans shown above are based on using 6mm thick glass for the double glazed, single glazed and canopy types, and the bars being spaced at 600mm centres.

We will select the appropriate glazing bar for each contract.

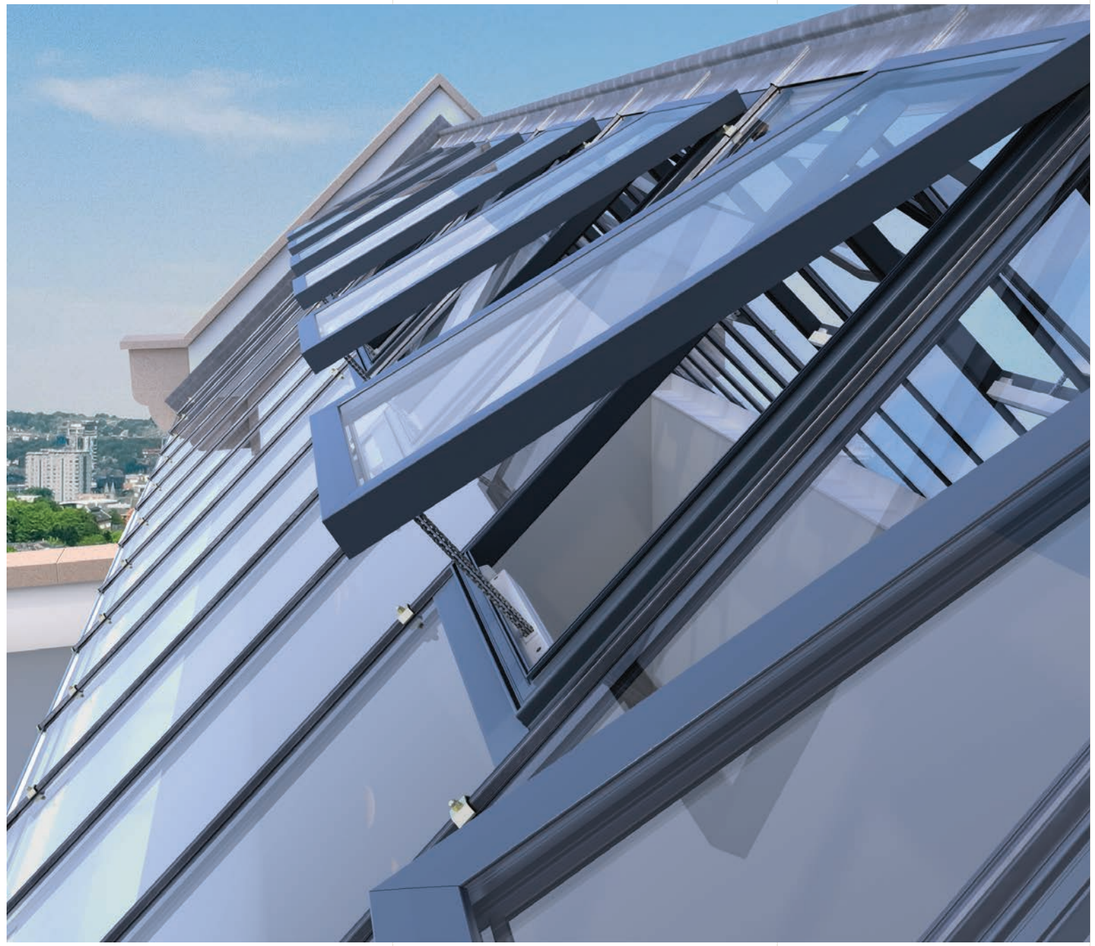
Spans are dependent upon the site location and exposure rating, site altitude, distance from the sea, height of glazing from ground level, shape of the roof, pitch of glazing, glazing bar centres, glass weight, wind speeds, snow load, dead load and maintenance loads.

*The above spans for each glazing bar have two values.

The lower span values are calculated using the most extreme environmental loadings possible in the UK whereas the higher span values are based on the least extreme.

Due to the wide range of these values it is therefore essential that we are supplied with the site postal code to enable us to calculate the correct glazing bar type for every project.

There are a large number of variables which are used to determine the maximum span of the glazing bars so please do not attempt to buy any glazing bar materials from us without first allowing us to carry out the necessary calculations for your project.



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Technical drawing

This CGI render showcases a 3D technical drawing of our Heritage Patent Glazing System in a duo-pitched configuration with double glazing.

It highlights key interface details, including the eaves, intermediate joints (for spans over 3150mm), ridge, and verge connections.

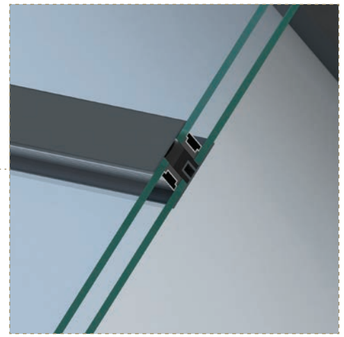
This visualisation provides a clear representation of the system's structural integration and performance.

For additional 2D, 3D & NBS H10 Specification assets, visit our download centre.



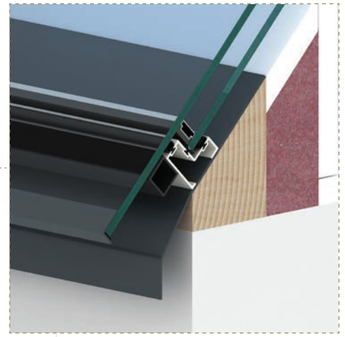


Ridge



Intermediate

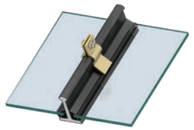
Eaves



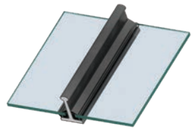
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e: www.patent-glazing.com

Glazing bar configurations

The Heritage range can accommodate glazed infills from 6mm to 30mm.

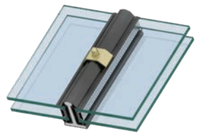


HCA-AAA-AA1

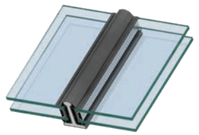


HSA-AAA-AA1

Heritage LC7 SG lead covered steel glazing bar with and without brass furniture—single glazed

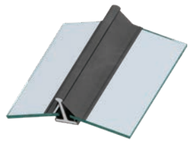


HDA-AAA-AA2



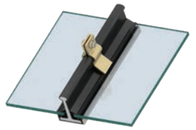
HDA-AAA-AA1

Heritage LC7 DG lead covered steel glazing bar with and without brass furniture—single glazed

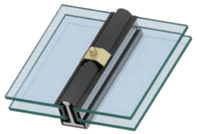


HSA-AAA-AA2

Heritage Hip lead covered steel glazing bar with and without brass furniture—single glazed and double glazing



HCA-AAA-AA1
(with LC internal cover)



HDA-AAA-AA2
(with LC internal cover)

Our Heritage range can also be clad internally with anodised for metallic finish or polyester powder coated to be more in keeping with modern internal finishing.

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A guide to glass

Our glazing systems incorporate advanced glass technologies designed for safety, energy efficiency, and aesthetic appeal.

- **Safety and structural integrity**
  All systems use approved safety glass or polycarbonate infill. For double and triple glazed units, toughened outer panes paired with laminated inner panes prevent dangerous breakages.
- **Solar control**
  Solar control glasses effectively reduce heat gain through roof glazing, enhancing comfort and energy performance.
- **Translucent glass**
  This option maximises natural light while obscuring vision for privacy. Our Diffussa laminated glass—with a white, translucent PVB interlayer—also minimises glare.
- **Self-cleaning options**
  Invented by Pilkington, self-cleaning glass is ideal for hard-to-reach areas. Both hard coat and soft coat variants are available, ensuring low maintenance over time.
- **Patterned and textured glass**
  Textured glass features an embossed design that decorates while allowing light diffusion and controlled obscuration.
- **Wired glass alternatives**
  Ideal for conservation projects

  Georgian Wired glass, commonly known as Pyroshield glass, is available in a textured finish for added obscurity, however this glass no longer meets the safety classification requirements of BS EN 12600. For conservation projects, seeking a similar aesthetic with enhanced safety, there are several alternative glass types that replicate the appearance of Georgian Wired while providing a safety classification in accordance with BS EN 12600.

  This is achieved through advanced techniques such as digitally printing on heat-treated glass or incorporating printed PVB or SGP interlayers in laminated glass. This method not only replicates the classic wired design but also significantly improves safety, ensuring a non-fragile assembly in compliance with CWCT TN66 & 67 when used in our glazing systems.
- **Vacuum sealed units**
  Ideal for conservation projects

  Vacuum glazing (VG) delivers exceptional thermal insulation with ultra-thin, lightweight panels. Achieving centre pane U-values as low as 0.4W/m²K (and G values down to 0.32 with solar control), it's ideal for conservation projects and energy-efficient applications.

Safety standards compliance

Our patent glazing systems meet stringent non-fragility standards (ACR[M]001:2014 and CWCT TN67), underlining our commitment to public safety.

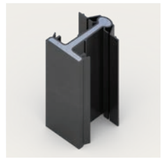
Stay informed

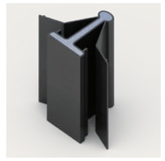
As glass technology continues to evolve, please scan the QR code for the most current product information.

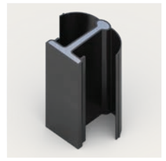
Component list

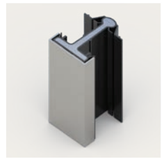
Glazing bars

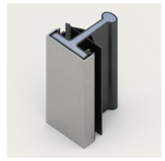

Single No. 7


Double No. 7


Ridge Hip No. 7 Single


Ridge Hip No. 7 Double


Double No. 7
(with LC internal cover)


Single No. 7
(with LC internal cover)

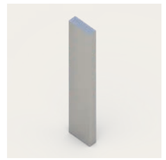
End Stop & Fixing Plate


PAT 103 MK7


FP1

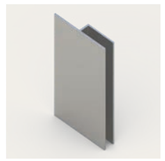
End bar packs


EP1

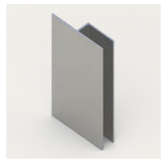

End Pack 19 x 6

Glass abutment joints


JS2


JS3

Gaskets

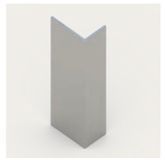

JS4


AB635 B

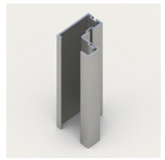

AE065 B

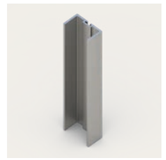
Glass edge protectors


GEP1


GEP2

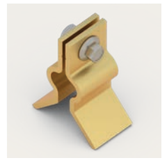
Weather bars


WB1

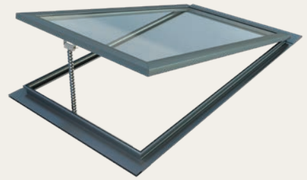

WB2

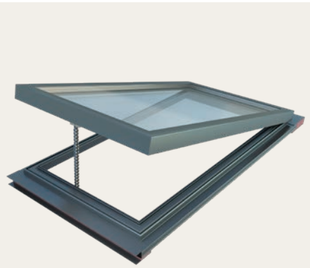
Storm clips


DG NO 7 PAT 123


SG NO 7 PAT 124

Opening ventilators


Single glazed opening vent


Double & triple glazed opening

Gearing


Screwjack


SSEA Actuator


SPG45


SSEA Double Actuator

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Protective finishes

The most popular way to protect our aluminium sections from oxidisation and create an appealing aesthetic look is to apply a polyester powder coated finish.

This is a high quality finish and will perform admirably for decades as long as a regular cleaning schedule is maintained.

All of our aluminium glazing systems are coated after full manufacture and our prices include your choice of one colour from the array of standard colours available in the table shown here.

If you require a different colour, we can source it at an additional cost, including special finishes such as metallic and pearlescent textures.

Dual colour projects

We are able to offer most of our glazing systems in a dual colour format. Domestic customers regularly desire a white or other light colour internally to blend in with the internal decoration of the room whereas a darker colour, usually one of the many grey shades or black is chosen for the external colour finish. Dual colour specifications carry an administration charge.

Other protective finishes

Anodising also a popular solution and is available upon request. Anodising enhances aluminium's natural properties, making it very durable, corrosion-resistant, and aesthetically appealing.

Glazing module sizes

Key

- Readily available
- Mechanical lifting equipment required
- Span Restrictions
- ▶ Over 3150 joint or break detail required

Our standard colours

9005	Jet black
9010	Pure white

1001	Beige
1013	Oyster white
1014	Ivory
1015	Light ivory
1018	Zinc yellow
1019	Grey beige

5013	Cobalt blue
5014	Pigeon blue
5015	Sky blue
5017	Traffic blue
6002	Leaf green
6005	Moss green

7016	Anthracite grey
7021	Black grey
7022	Umbra grey
7024	Graphite grey
7030	Stone grey
7031	Blue grey

8019	Grey brown
9001	Cream
9002	Grey white
9005	Jet black
9010	Pure white
9016	Traffic white

Our popular colours

7015	Slate grey

3003	Ruby red
3004	Purple red
3005	Wine red
3009	Oxide red
5000	Violet blue
5002	Ultramarine blue

6006	Grey olive
6009	Fir green
6016	Turquoise green
6018	Yellow green
6019	Pastel green
6027	Light green

7032	Pebble grey
7035	Light grey
7037	Dusty grey
7038	Agate grey
7040	Window grey
7042	Traffic grey A

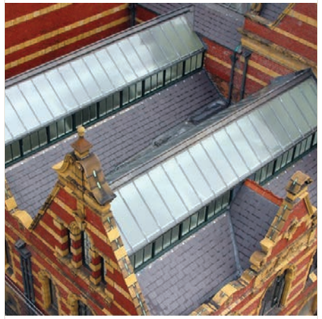
5003	Sapphire blue
5004	Black blue
5008	Grey blue
5010	Gentian blue
5011	Steel blue
5012	Light blue

7001	Silver grey
7004	Signal grey
7005	Mouse grey
7011	Iron grey
7012	Basalt grey
7015	Slate grey

7043	Traffic grey B
7044	Silk grey
8011	Nut brown
8014	Sepia brown
8015	Chestnut brown
8017	Chocolate brown

mm	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1050	1200	1250
1000																	
1250																	
1500																	
1750																	
2000																	
2250																	
2500																	
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e: www.patent-glazing.com



Exceptional performance for years to come

We take our responsibility to adhere to the highest regulatory and quality standards seriously. Our commitment to British Standards and industry regulations ensures that every project we undertake is safe, compliant, and built to last.

For over a century, we have been at the forefront of setting and maintaining these standards within the patent glazing industry, helping to shape the future of roofing and glazing practices across the UK.

Our systems, from design to installation, meet or exceed the requirements set forth in British Standard BS 5516, which governs the design and installation of sloping and vertical patent glazing.

This standard addresses key areas such as structural integrity, weatherproofing, safety, and thermal performance.

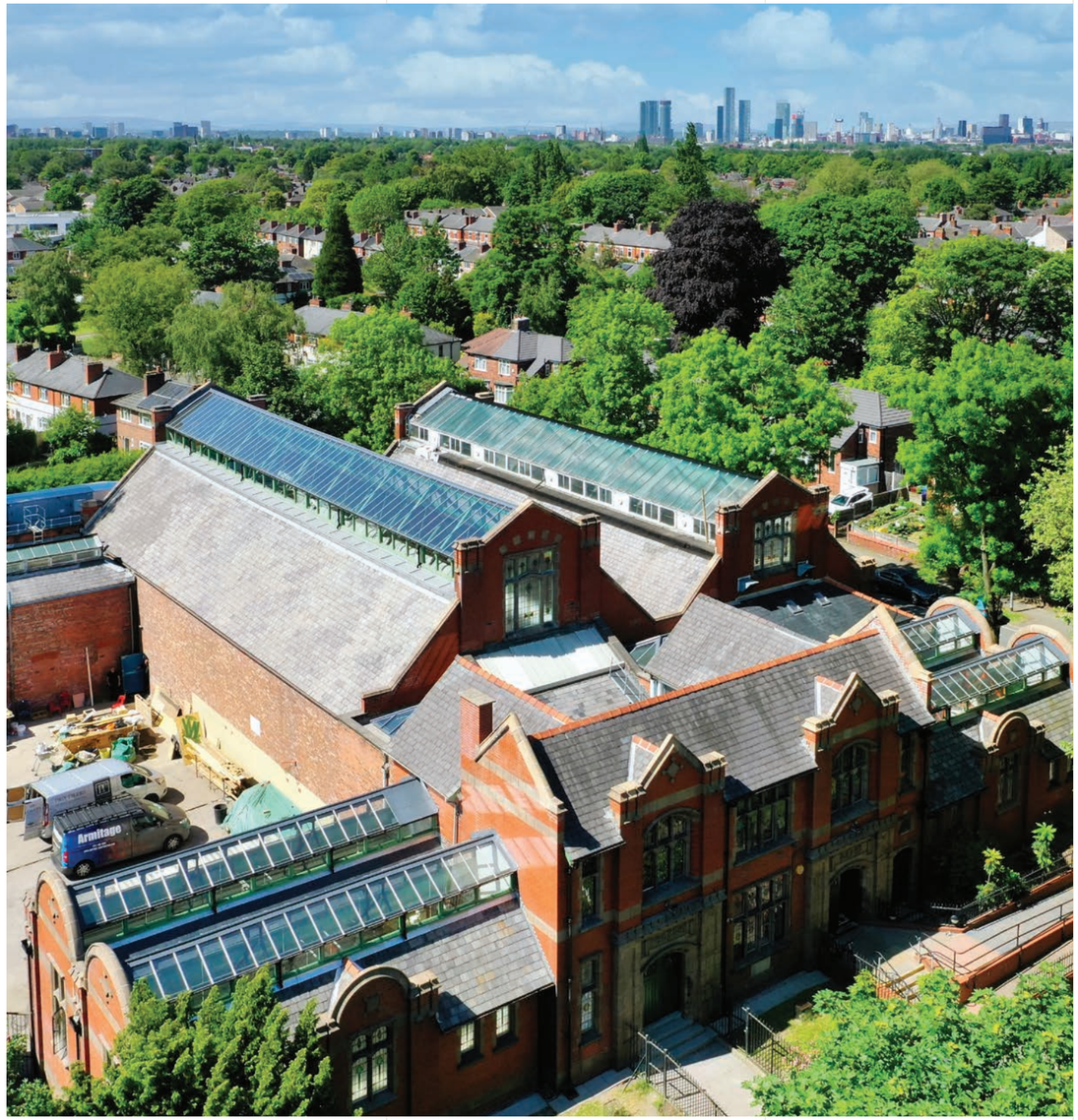
By adhering to these rigorous guidelines, we ensure that our glazing systems not only provide outstanding aesthetic and functional value but also offer long-term durability and compliance with all relevant building regulations.

BS 5516: Leading the way in patent glazing standards

The BS 5516 British Standard for patent glazing is an integral part of our design and manufacturing processes.

This code of practice outlines critical requirements for ensuring that sloping and vertical patent glazing systems can withstand the environmental and structural demands of modern buildings.

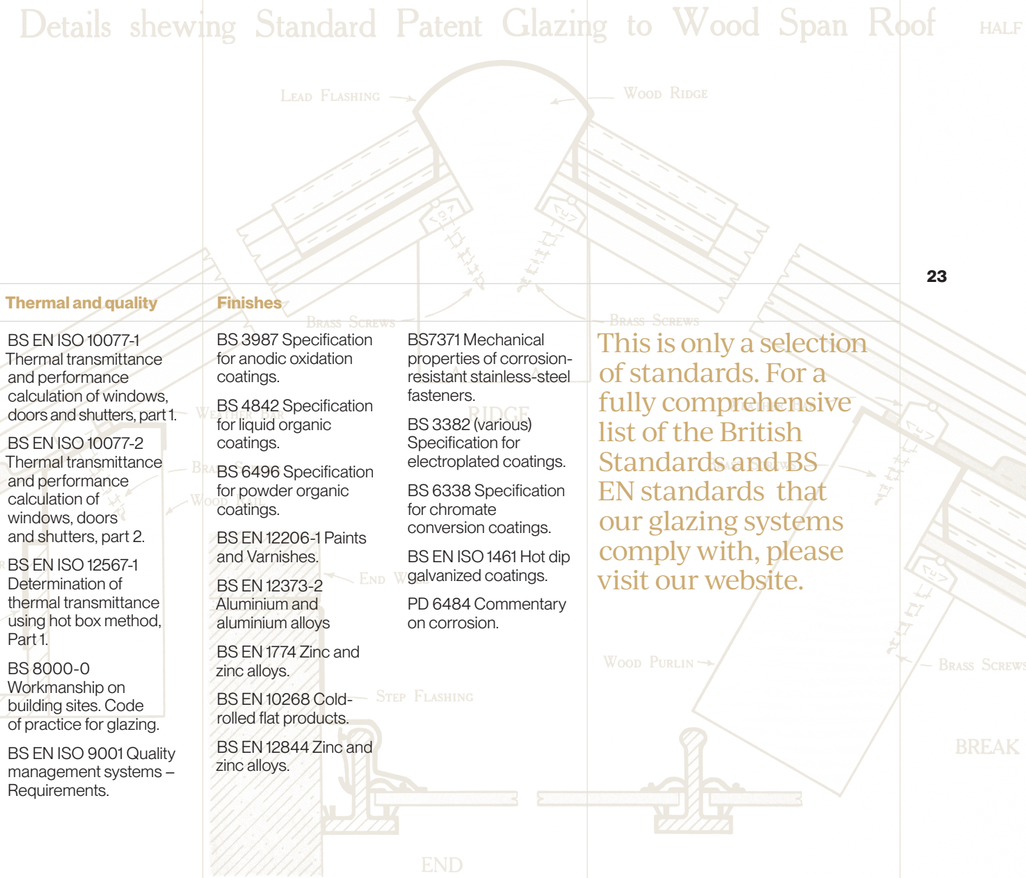
Our team of experts has been closely involved in the development and continuous improvement of these standards, demonstrating our commitment to quality, innovation, and safety.



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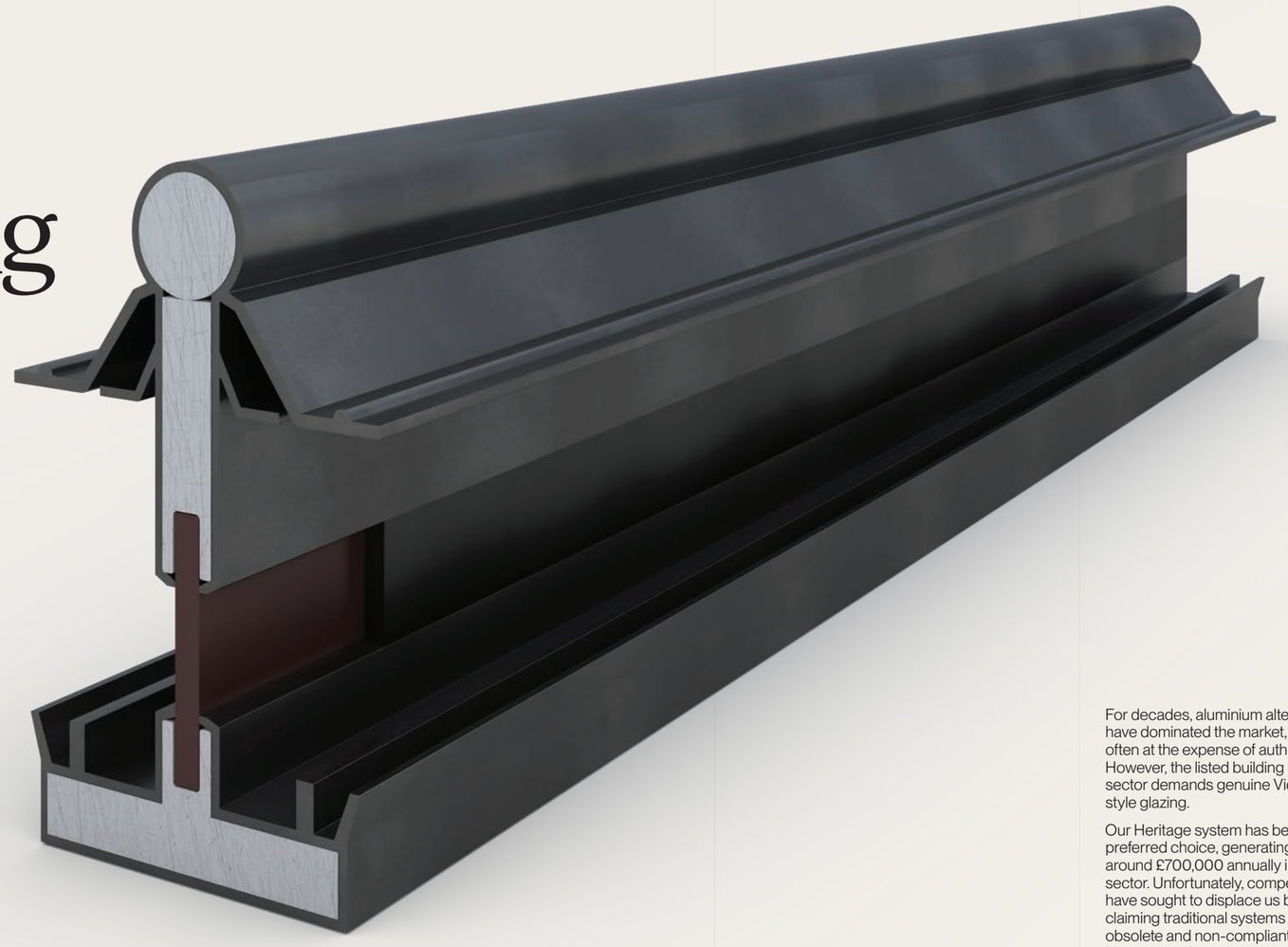
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Design and safety	Thermal and quality	Finishes	
BS 6262-4 Glazing for buildings. Safety related to human impact.	BS EN ISO 10077-1 Thermal transmittance and performance calculation of windows, doors and shutters, part 1.	BS 3987 Specification for anodic oxidation coatings.	BS7371 Mechanical properties of corrosion-resistant stainless-steel fasteners.
BS EN 1991-1 Loading for buildings. Code of practice for dead and imposed loads.	BS EN ISO 10077-2 Thermal transmittance and performance calculation of windows, doors and shutters, part 2.	BS 4842 Specification for liquid organic coatings.	BS 3382 (various) Specification for electroplated coatings.
BS EN 1991-1-4 Loading for buildings. Code of practice for wind loads.	BS EN ISO 12567-1 Determination of thermal transmittance using hot box method, Part 1.	BS 6496 Specification for powder organic coatings.	BS 6338 Specification for chromate conversion coatings.
BS EN 1999-1 Structural use of aluminium. Code of practice for design.	BS 8000-0 Workmanship on building sites. Code of practice for glazing.	BS EN 12206-1 Paints and Varnishes.	BS EN ISO 1461 Hot dip galvanized coatings.
BS EN 12056-3 Gravity drainage systems inside buildings, roof drainage, layout and calculation.	BS EN ISO 9001 Quality management systems – Requirements.	BS EN 12373-2 Aluminium and aluminium alloys	PD 6484 Commentary on corrosion.
BS EN 14024 Metal profiles with Thermal Barriers. Mechanical Performance, proof, tests and requirements.		BS EN 1774 Zinc and zinc alloys.	
		BS EN 10268 Cold-rolled flat products.	
		BS EN 12844 Zinc and zinc alloys.	

This is only a selection of standards. For a fully comprehensive list of the British Standards and BS EN standards that our glazing systems comply with, please visit our website.

Preserving heritage, advancing performance



Our Patent Pending (Application No 2217641.6) Heritage+: A Revolution in Victorian Glazing

Introducing our patent-pending Heritage+ system, a groundbreaking innovation in Victorian glazing. Designed to maintain the historical aesthetic of traditional Victorian patent glazing while achieving modern performance standards, Heritage + ensures compliance without compromising appearance.

For decades, aluminium alternatives have dominated the market, often at the expense of authenticity. However, the listed building sector demands genuine Victorian-style glazing.

Our Heritage system has been the preferred choice, generating around £700,000 annually in this sector. Unfortunately, competitors have sought to displace us by claiming traditional systems are obsolete and non-compliant. Heritage+ refutes these claims, offering a solution that combines history and innovation seamlessly.

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Engineering excellence in Heritage+

Pushing the boundaries of performance to maintain our commitment to conservation

Heritage+ is more than an innovation—it is a commitment to heritage conservation with modern compliance. By addressing regulatory challenges without compromising authenticity, we are reclaiming our market leadership and ensuring Victorian glazing remains timeless.

State-of-the-art manufacturing

With historical extrusion technology approaching obsolescence, we explored new manufacturing possibilities. After extensive research, we partnered with Victory Technologies, leveraging expertise from the ammunition industry to develop a lead extrusion machine tailored for our glazing system.

Customised tooling for precision

Creating bespoke rolling and extrusion tooling was critical to the Heritage+ project. We collaborated with Falkner Moulds, refining designs through multiple prototypes to develop the necessary tools for precision manufacturing.

Innovative composite technology

Heritage+ enhances the strength of traditional glazing with a high-performance composite core. In partnership with Montanstahl, we engineered a thermal barrier steel core, integrating glass fibre reinforced plastic (GRP) with mechanical crimping technology. This breakthrough allows customisation in dimensions and material selection, ensuring both strength and flexibility. Additionally, we have designed a lightweight aluminium version using pultruded GRP for enhanced thermal efficiency.



Performance-driven testing and compliance

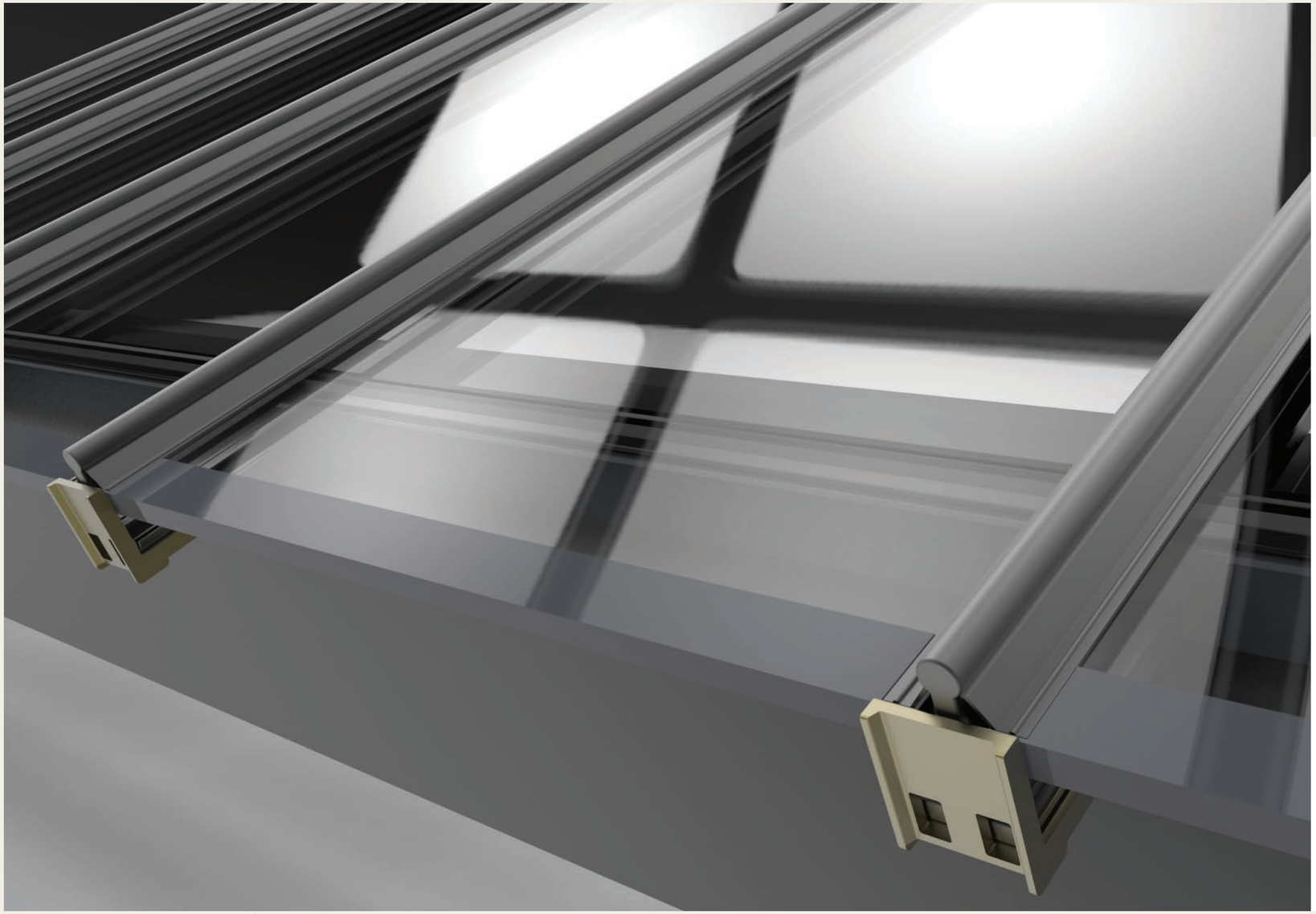
Structural integrity
Utilising our proprietary Mass Calcs software, we simulated the structural performance of Heritage+.

Given its composite nature, extensive physical testing was conducted, ensuring compliance with BS5516:2004 standards. Further verification is underway with Bradford University's composite engineering specialists.

Enhanced thermal efficiency
Through in-house and third-party thermal simulations with Façade Engineering and Analysis Services Ltd (FEA), we identified and resolved thermal transmission challenges. By integrating a high-performance insulating silicone sealant, we maintained weather-proofing while significantly reducing heat loss, achieving compliance with Part L building regulations.

Corrosion resistance
Traditional hot galvanizing was unsuitable due to the composite nature of Heritage+. To counteract corrosion, we implemented a cold zinc-rich primer, ensuring the long-term durability of the mild steel core. The aluminium version, being non-ferrous, is naturally resistant to corrosion.

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Market strategy and future prospects

Recognising that Heritage+ is a premium product, we have conducted extensive market research to validate its demand and pricing structure.

Key decision-makers include:

- Architects.
- Local Planning and Conservation Authorities.
- English Heritage, Heritage England, Historic Scotland, Irish Heritage Trust, Dublin Civic Trust.
- Listed Property Owners Club and Society for the Protection of Ancient Buildings (SPAB).

Engagement strategies include email campaigns, direct communication, and tele-research, ensuring Heritage+ reaches its intended market and secures its place as the premier glazing solution for historical buildings.

Expected launch timeline

We anticipate that Heritage+ will be fully developed and ready for market launch by the end of 2026.

Our teams are committed to ensuring that all necessary testing, compliance approvals, and production refinements are completed within this timeframe.

For more information please contact us.

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Maintaining exceptional quality



Committed to excellence

We continuously improve our processes and embrace the latest technologies to ensure our glazing solutions are innovative and dependable. By completing every task with precision and care, we deliver defect-free products that perform perfectly from the start.

Our client's satisfaction is our priority. Our dedicated team works closely with customers and specifiers to provide solutions tailored to your specific needs, ensuring that every project runs smoothly and successfully.

The trusted partner for daylighting solutions

We understand that our customers need glazing systems that meet high standards while delivering reliable, long-term performance. By strictly adhering to British Standards, we ensure our products and services comply with regulations and exceed expectations.

We provide a comprehensive, turnkey solution, delivered by our team of directly employed experts. From design to installation, every stage of your project is handled by skilled professionals, ensuring consistency, quality, and a seamless experience.

Weather resistance

Our roof glazing systems are essentially capable of being glazed without a pitch at all. However we don't recommend installing roof glazing at very low pitches for a number of reasons.

Firstly the rainwater will not disperse effectively from the glass from the glass leaving unsightly tide marking.

If the rainwater is not able to shed naturally from the glass due to an insufficient slope within the design then it will dissipate through evaporation.

Dust in the air will be caught by the raindrops and the evaporation of the water will leave a series of 'water marks' on the glass which will build up over time. This again is not a problem if the roof glazing is subject to a regular cleaning schedule. Please do ensure that if you are designing roof glazing with a very shallow pitch that there is easy access to the roof glazing to allow for cleaning on a regular basis. If this isn't carried out then it won't be long before not just water marks are on the glass but a full garden beginning to take root!

Opening vents and low pitched roof glazing

Both our roof glazing systems and opening vents are capable of performing at pitches as low as 5°. However, we strongly recommend incorporating a minimum pitch of 15° into the design if regular cleaning and maintenance cannot be guaranteed.

At pitches below 15°, rainwater may not fully drain from the glazing surface or framework, leading to standing water. While this does not compromise the watertight integrity of the system, prolonged exposure to ponding especially during colder, wetter months can result in unsightly tide marks from drying water and environmental debris, and may cause premature deterioration of seals over time.

To preserve both the aesthetic quality and long-term performance of the system, a steeper pitch should be considered where ongoing maintenance is unlikely.

Maintenance

Periodic cleaning of the glazing to remove dirt and the build up of debris will be required to keep the glazing system in a good order and to avoid the loss of light transmission from the glass. Certain glass products can be subjected to thermal stresses if the panes are left unclean for prolonged periods of time.

Aluminium sections with powder coated or anodised finishes must also be cleaned regularly to conform to the terms of guarantee.

For more information on cleaning and maintenance please visit our website, where you can download and refer to our manual.

Health and safety

We are deeply committed to health and safety. All of our employees are fully aware of their responsibilities in this regard and our relevant staff hold the necessary qualifications for their roles. These include NEBOSH, IOSH, SSSTS, SMSTS, CSCS, PTS, PAL-IPAF, First Aid, and PASMA certifications.

Our commitment to health and safety standards extends to continuous professional development through our ongoing CPD programme. Employees regularly attend training courses aligned with their individual development plans, ensuring they remain current with industry standards and practices. Our in-house health and safety practitioners, along with our management and consultants, conduct regular Tool Box talks and implement our annual 'Safety Action Improvement Plan.' This approach maintains an unbroken cycle of dedication to health and safety, reinforcing our promise to uphold the highest standards in all our operations.

"The commitment to Health and Safety has been underpinned by the company's efforts on training across the workforce. This has included CITB, CSCS and First Aid. We are understandably very proud to have been the company awarded with the prestigious title 'Best Health and Safety Performance'."

Award for Best Safety Performance for Less than 50 employees



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A unique service

We offer full design, manufacturing and installation facilities which are all in-house.

We do not sub-contract any of our design work or installations to other companies thus ensuring that all our projects are dealt with by experts with a full knowledge of all of our complete range of glazing systems.

Condition survey

Our service offers an in-depth, on-site evaluation of your existing roof glazing. We produce a detailed report that identifies any issues, recommends targeted remedial strategies, and ensures all compliance requirements are outlined within our recommendations. Our report also details expert advice on scaffolding, hoisting, and interface requirements. Additionally, we provide a clear budget quotation for the proposed solutions.

Design and logistics survey

Once we have been appointed, we offer a comprehensive on-site design and logistics survey for the roof glazing package, culminating in a detailed report that not only captures precise design dimensions but also offers expert advice on scaffolding, hoisting, and interface requirements.

Additionally, for clients confident in obtaining accurate measurements independently, we offer a cost-effective desktop survey option, ensuring that every project receives the tailored attention it deserves.

Design

We have been designing Patent Glazing systems for over a hundred years and we would like to think that our systems are the best available anywhere.

The continued improvement of our glazing sections throughout the decades ensures that our products are built to last, fully watertight, robust and designed to meet all current regulations and best practice.

Our Technical Directors throughout our history have also been contributors to the British Standard for Patent Glazing, BS5516. We have the knowledge and expertise to be involved in any patent glazing project in the UK.

Manufacture

Since 1918, we have been manufacturing patent glazing systems at our factory located on Forge Lane, Dewsbury.

Since moving into this purpose built facility, it has undergone several expansions and now covers an area of 2600m².

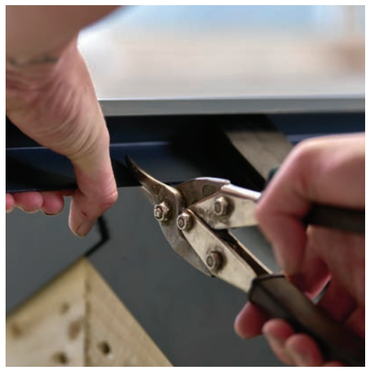
We utilise a combination of state-of-the-art machinery and original Victorian equipment to produce our distinctive Heritage lead-covered steel glazing bars, ensuring both innovation and tradition in our manufacturing process.

Installation

Our highly experienced and directly employed installation staff have installed millions of square metres of Patent Glazing throughout the decades and examples of our finished work can be seen on many of today's prestigious buildings, railway stations and shopping centres.

All of our current installation teams are long serving members of our organisation and fully qualified to carry out the most demanding of projects.

We have successfully carried out over 40,000m² of patent glazing to railway stations alone in recent times and our installers and contracts team hold all the relevant qualifications such as NEBOSH, IOSH, PTS, PAL-IPAF, First Aid, Erection of Mobile Tower Scaffolding and CSCS, of which we hold a Gold Standard certificate.

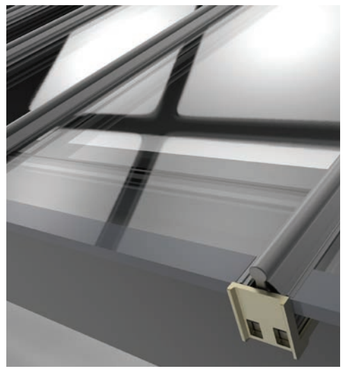


Guarantee

When our highly skilled employees install your project, it comes with a comprehensive five-year 'end-to-end' guarantee against defective workmanship. For added assurance, we can also provide extended guarantees for an additional fee.

With over a century of existence, we've supplied guarantees for tens of thousands of projects, ensuring client satisfaction and peace of mind.

Unlike many in the industry, we do not employ subcontract labour for any of our activities. This commitment to in-house expertise adds an extra layer of accountability and comfort, truly encompassing our 'end-to-end' guarantee.



This track record is evidence that when you specify 'Standard', you are choosing satisfaction and reassurance.

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Manchester Royal Exchange Building

Roof glazing replacement at The Royal Exchange Building, Manchester



Project overview

The Royal Exchange building in Manchester endured significant damage on 15th June 1996 when an IRA bomb exploded in nearby Corporation Street, less than 50 yards away. While the main structure remained undamaged, the blast caused the domes to shift. Extensive repairs were needed, taking over two years to complete and costing £32 million, which was generously funded by the National Lottery.

Scope of work

We were entrusted with a highly prestigious contract—to replace the three massive glazed domes, totalling 1000m² in area, which had been damaged by the explosion. During the removal of the existing damaged domes, a fascinating historical detail was uncovered: the glass of the central dome had originally been supplied with a blue/purple translucent paint.

The sole evidence of this unique feature was found at the edges of the glazing, discreetly encased within the glazing bars. It was decided that this distinctive characteristic should be faithfully restored in the new replacement domes, and we were commissioned to replicate this special tint.

Materials and techniques

To achieve this extraordinary historical detail, we embarked on a diligent search for a coloured PVB interlayer to match the original blue/purple translucent paint. Our quest led us to Germany, where we sourced the perfect match. The replacement glass was carefully crafted in a bespoke single-glazed, heat-strengthened, laminated composition.

Our Heritage Patent Glazing System played a pivotal role in this restoration project. It remains the sole patent glazing system available that faithfully replicates the original features of this Grade II-listed building.

Main Contractor:

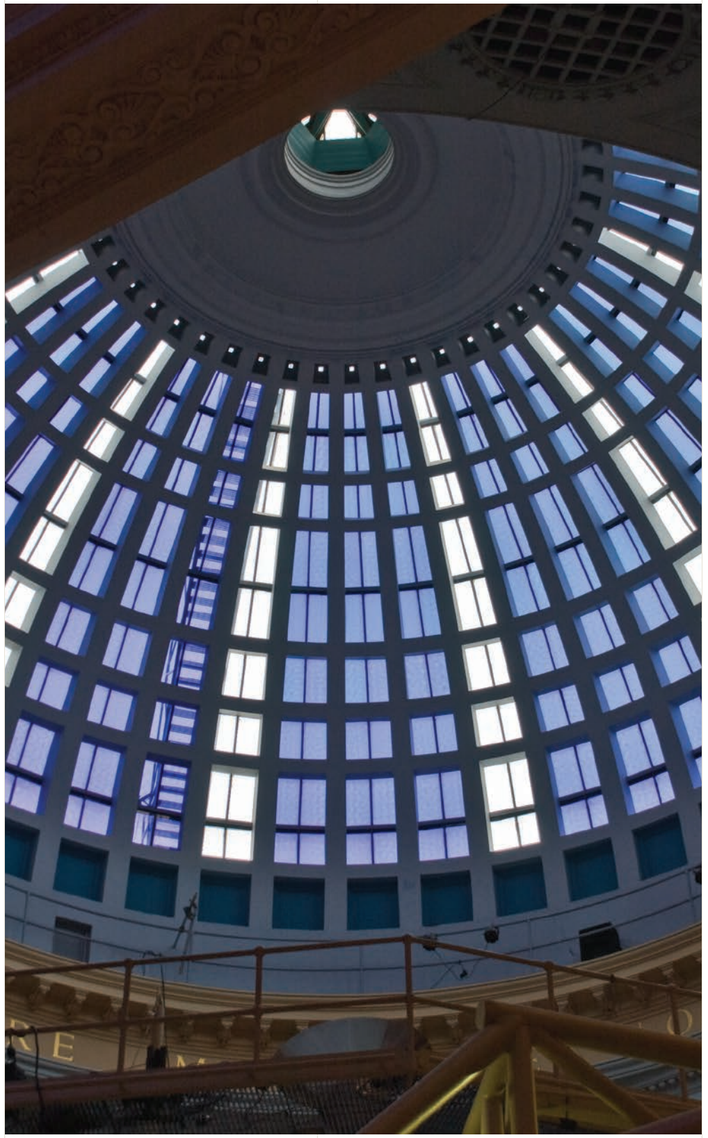
Mace Ltd

Architect:

Levitt Bernstein Architects



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Project outcome

The restoration of the Royal Exchange building's glazed domes was a resounding success, a testament to our commitment to historical accuracy and craftsmanship. By meticulously sourcing a coloured PVB interlayer and using a bespoke single-glazed, heat-strengthened, laminated composition, we faithfully recreated the original blue/purple translucent paint. The Heritage Patent Glazing System, exclusive to our company, ensured the restoration remained true to the building's historical significance.

This case study illustrates our dedication to preserving the historical integrity of cherished landmarks. The Royal Exchange building stands as a testament to the meticulous craftsmanship and attention to detail that went into the roof glazing replacement, ensuring its continued status as a cherished historical site.



"I'm thrilled to commend the Standard Patent Glazing Co Ltd for their remarkable work on The Royal Exchange Building's roof glazing replacement project. Their commitment to historical accuracy and craftsmanship shone through.

The project was a tremendous success, and The Royal Exchange building now stands as a testament to their meticulous craftsmanship and dedication to preserving historical landmarks. I wholeheartedly recommend them for their exceptional work in historical restoration."

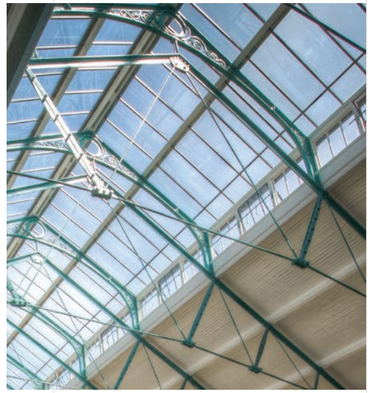
Mike Giddings
Project Manager at Mace Ltd

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Case study

Victoria Baths

Roof glazing replacement at Victoria Baths, Manchester



Restoring a grand Edwardian masterpiece

Victoria Baths in Manchester, designed to be the grandest baths in Britain when they first opened their doors in 1906, stands as a Grade II–listed Edwardian gem. Despite decades of neglect that left it virtually derelict for over 30 years, the building retained much of its former grandeur.

A historic revival

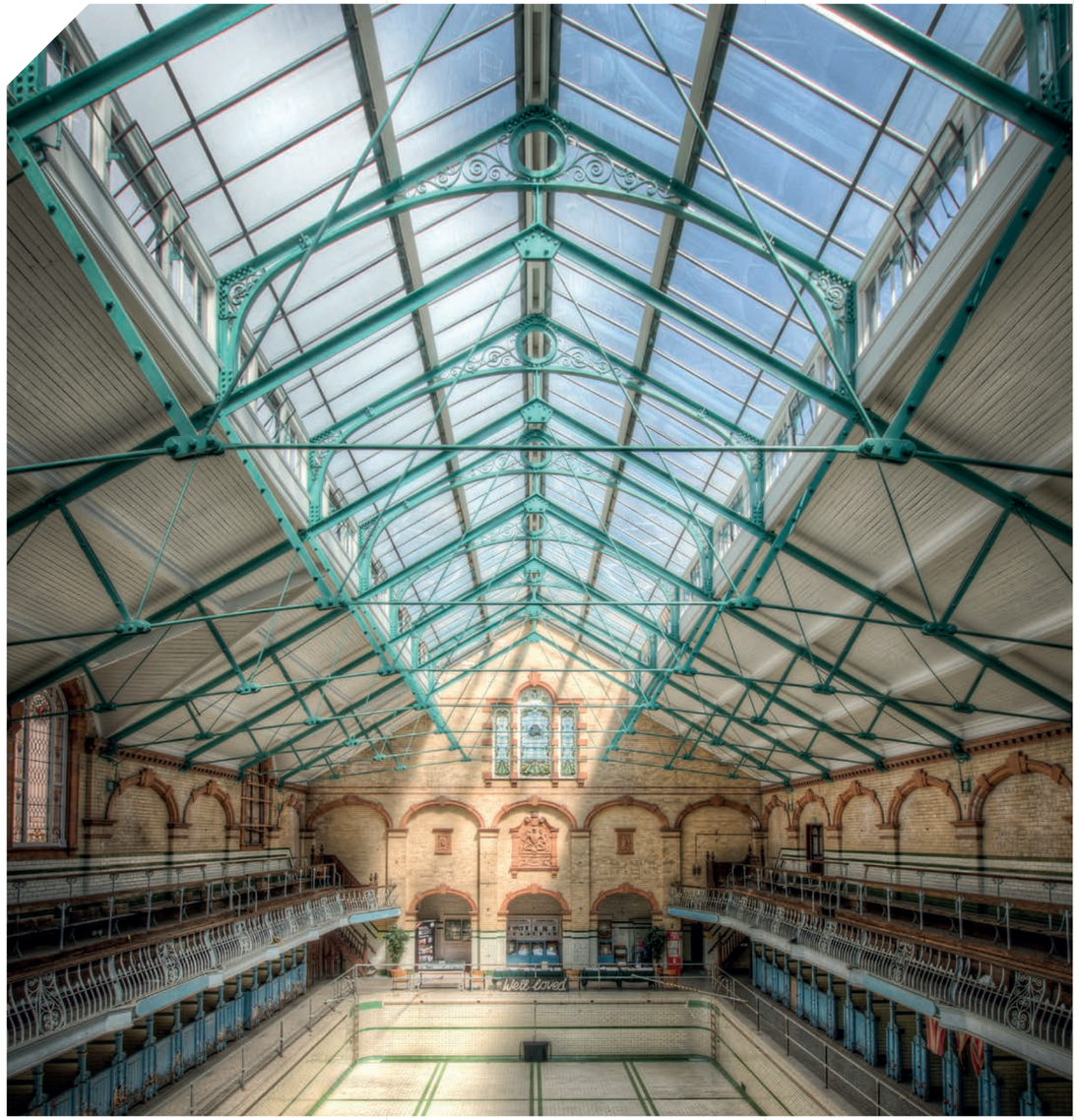
In a remarkable moment, the pool at Victoria Baths was filled with 86,000 gallons of water for the first time in four years, marking a historic celebration of the baths receiving £3.4 million in funding from the BBC TV show Restoration. Thousands of viewers cast their votes to support the restoration of this beautiful building, and the work began almost immediately.

Main Contractor:

William Anelay Ltd

Architect:

OMI Architects



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Preserving heritage and efficiency

As part of the meticulous restoration process, we undertook the installation of over 500m² of our Heritage Patent Glazing System, a solution that incorporated double glazed units to significantly enhance thermal efficiency.

In addition to the preservation of energy, we also added a toughened Stippolyte outer pane, closely resembling the original Georgian wired cast glass from the building's initial installation.

Result: a testament to restoration

The story of Victoria Baths in Manchester is a testament to the power of restoration and community support. The revival of this Grade II–listed Edwardian marvel, which once stood as the grandest baths in Britain, showcases a successful marriage of historic preservation and modern efficiency.

This case study underscores our commitment to preserving architectural heritage while improving the sustainability and functionality of historic structures. The revitalisation of Victoria Baths stands as a symbol of how restoration can breathe new life into treasures of the past, ensuring they continue to inspire and serve the community for generations to come.

"I am delighted to praise the exceptional expertise of Standard Patent Glazing Cl Ltd in the roof glazing replacement project at Victoria Baths, Manchester. This remarkable restoration of a Grade II–listed Edwardian masterpiece truly showcases their unparalleled dedication to preserving architectural heritage while enhancing sustainability and functionality.

Their installation of over 500m² of Heritage Patent Glazing System was a crucial aspect of this meticulous restoration process. The revival of Victoria Baths is a powerful testament to the transformative potential of restoration and community support. It exemplifies the successful marriage of historic preservation and modern efficiency.

This project underlines their remarkable ability to revitalise treasures of the past. I highly recommend their expertise to anyone embarking on similar projects."

Gary Shea
Construction Manager at William Anelay Ltd



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Derby Market



Roof glazing replacement at Derby Market Hall, Derby

Project overview

Derby Market Hall stands as one of the city's most prominent and aesthetically significant structures, serving as a vital link between key areas of the city centre. As a Grade II-listed building, its renovation required tasteful attention to detail, especially considering its historical importance from the Victorian era. Our Heritage Patent Glazing System, featuring a handmade lead-covered steel patent glazing system, was chosen to preserve the original design intent seamlessly.

Prior to the multi-million pound refurbishment project, the market hall posed safety concerns. Closure to customers was a frequent occurrence due to the risk of glass windows dislodging in adverse weather conditions. Our Heritage glazing system was selected not only for its visual authenticity but also for enhancing safety and restoring the structural integrity of the Market Hall.

Scope of work

The primary objective of the project was to replicate the existing glazing system with our unique Heritage patent glazing solution, encompassing a total area of 650m². The restoration project was divided into two phases to ensure a comprehensive and meticulous approach. Given the protected status of this historic structure, our Heritage glazing system emerged as the ideal choice, incorporating 8.8mm laminated panes and achieving a class 2 non-fragility rating in accordance with CWCT TN66 & TN67.

Challenges and solutions

The intricacies of the project demanded careful planning and execution. Scaffolding safe working load constraints necessitated the development of a purpose-built frame for the winching of materials to the working area. Specialised lifting techniques, reminiscent of age-old methods, were employed to hoist materials individually. This unique approach, while unconventional, ensured the conservation of the historic context of Derby Market Hall.

Main Contractor:

Wates Construction Ltd

Architect:

Pick Everard



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e: www.patent-glazing.com



Project outcome

Despite the challenges posed by the roof glazing replacement, meticulous planning and expertise prevailed. The Heritage Patent Glazing System was seamlessly installed, contributing not only to the restoration of the building but also ensuring its safety and functionality. This case study stands as a testament to our commitment to preserving historical integrity.

Derby Market remains an enduring symbol of architectural and historical significance, thanks to the dedicated restoration efforts focused on its glazing system. The project showcases our unwavering dedication to blending modern solutions with heritage preservation, ensuring that this iconic structure continues to stand the test of time.

"I am pleased to share my testimonial regarding our collaboration with The Standard Patent Glazing Co Ltd on the Derby Market Hall roof glazing replacement project. As the Project Manager for Wates Construction, I had the privilege of overseeing this challenging yet vital refurbishment endeavour.

From the outset, they demonstrated an unparalleled commitment to excellence and a profound understanding of the unique challenges associated with preserving a Grade II-listed building like Derby Market Hall. Their Heritage Patent Glazing System not only met but exceeded our expectations, seamlessly integrating with the historical fabric of the structure.

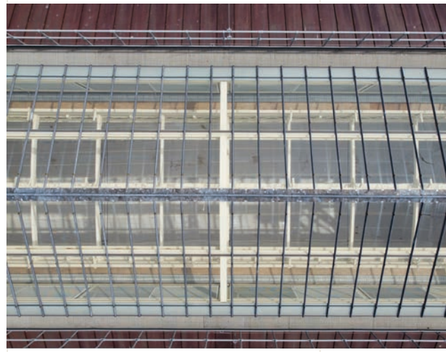
The meticulous planning and execution of the project were evident throughout, especially when faced with the safety concerns posed by the aging glazing system. The team's dedication to maintaining the building's aesthetic authenticity while enhancing safety standards was commendable.

The Heritage Patent Glazing System proved to be the ideal solution for this restoration. Its unchanged appearance from the Victorian era, coupled with the handmade lead-clothed steel patent glazing, truly replicated the original design intent. This not only contributed to the visual appeal of the Market Hall but also ensured the safety of the building, a crucial factor given the prior closures due to weather-related concerns.

The outcome of the roof glazing replacement speaks volumes about the expertise and professionalism of them. The successful installation of the Heritage Patent Glazing System has not only restored the Market Hall but has elevated it as a symbol of architectural and historical significance in the heart of Derby.

As a Project Manager, I highly recommend them as a specialist glazing subcontractor. Their commitment to quality, attention to detail, and use of innovative yet heritage-sensitive solutions make them a valuable asset to any restoration or construction project. We look forward to future collaborations with them and commend them for their outstanding work on the Derby Market Hall refurbishment."

Phil Bardsley
Project Manager at Wates Construction Ltd



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Case study

Camellia House

Revitalising Camellia House's roof glazing

Project overview

Nestled within Wentworth Woodhouse, the Camellia House stands as an emblem of architectural grandeur, designed in the early 19th century by Charles Watson-Wentworth, the 2nd Marquess of Rockingham.

Its purpose was to cultivate exotic Camellia plants from distant lands, symbolic of opulence and refinement.

However, the passage of time left this historical marvel in disrepair. Thanks to a £5 million investment from the Wentworth Woodhouse Preservation Trust, supported by Lottery funding, the Camellia House witnessed a renaissance, reclaiming its splendour.

Scope of work

To restore the original Victorian glazing that once adorned this architectural gem. Employing our lead-clothed steel Heritage Patent Glazing System, unaltered in appearance since its inception a century ago, we aimed to recreate the authentic charm crucial for listed buildings like the Camellia House.

The replacement spanned 225m², incorporating natural opening ventilators with a weather control system to maintain the ideal humidity for the Camellias.

Yet, the project was no easy feat. Meticulous planning became our cornerstone. Months before the removal and refurbishment, an extensive survey ensured accuracy, mitigating risks of tolerance deviations upon reinstallation.

Main Contractor:

William Birch and Sons Ltd

Architect:

Donald Insall Associates

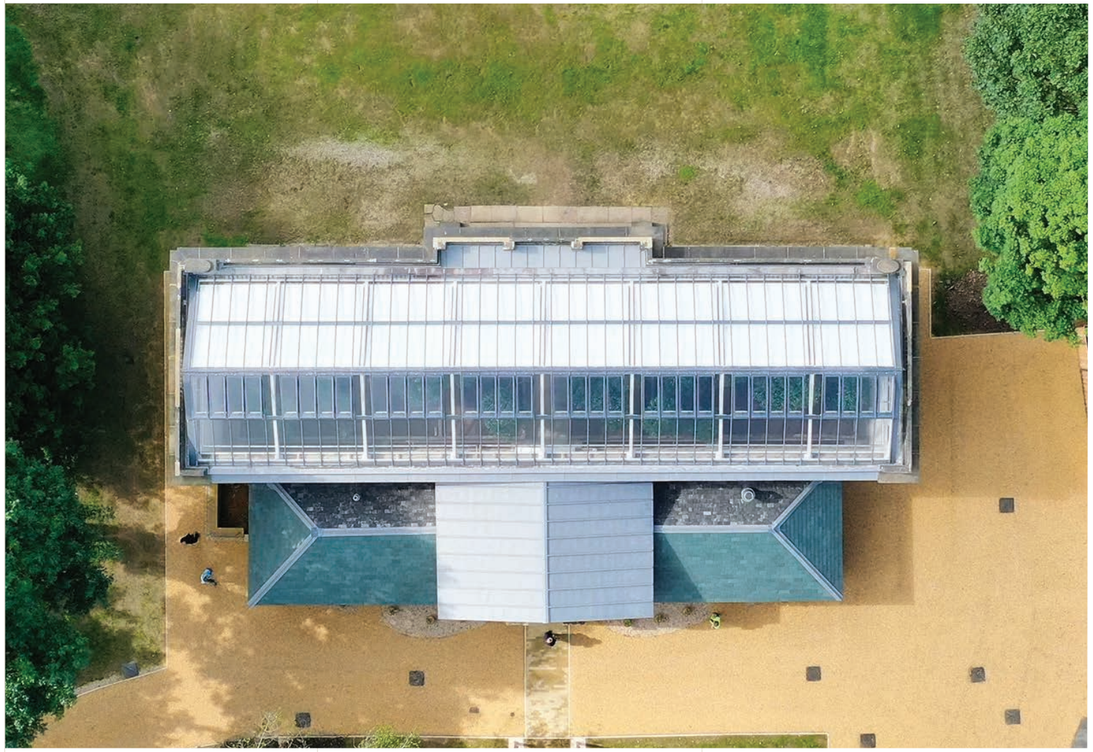


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Designed to be versatile

Our collaboration with the contractor empowered them with precise drawings for correct structural reinstatement, aligning seamlessly with our glazing installation. The restored roof glazing is a testament to our unwavering dedication to preserving historical landmarks. Heritage Patent Glazing System not only revived the architectural allure of this Grade II-listed building but also ensured safety compliance with non-fragile assemblies, meeting CWCT TN 66 & TN67 standards.

This case study showcases our steadfast commitment to preserving historical integrity. Camellia House remains an icon of architectural and historical significance, revived through meticulous restoration of its glazing system.



"I extend my sincere appreciation to Standard Patent Glazing Co Ltd for their exceptional contribution to the roof glazing replacement project at Camellia House, Wentworth Woodhouse.

Their expertise and commitment were pivotal in the successful restoration of this iconic Grade II-listed building.

The selection of their Heritage Patent Glazing System played a vital role in recreating the original design. Covering a substantial area of 225m², the project's complexity was managed with precision and dedication by them, showcasing their meticulous planning and execution."

John Hutton
Project Manager at William Birch and Sons Ltd





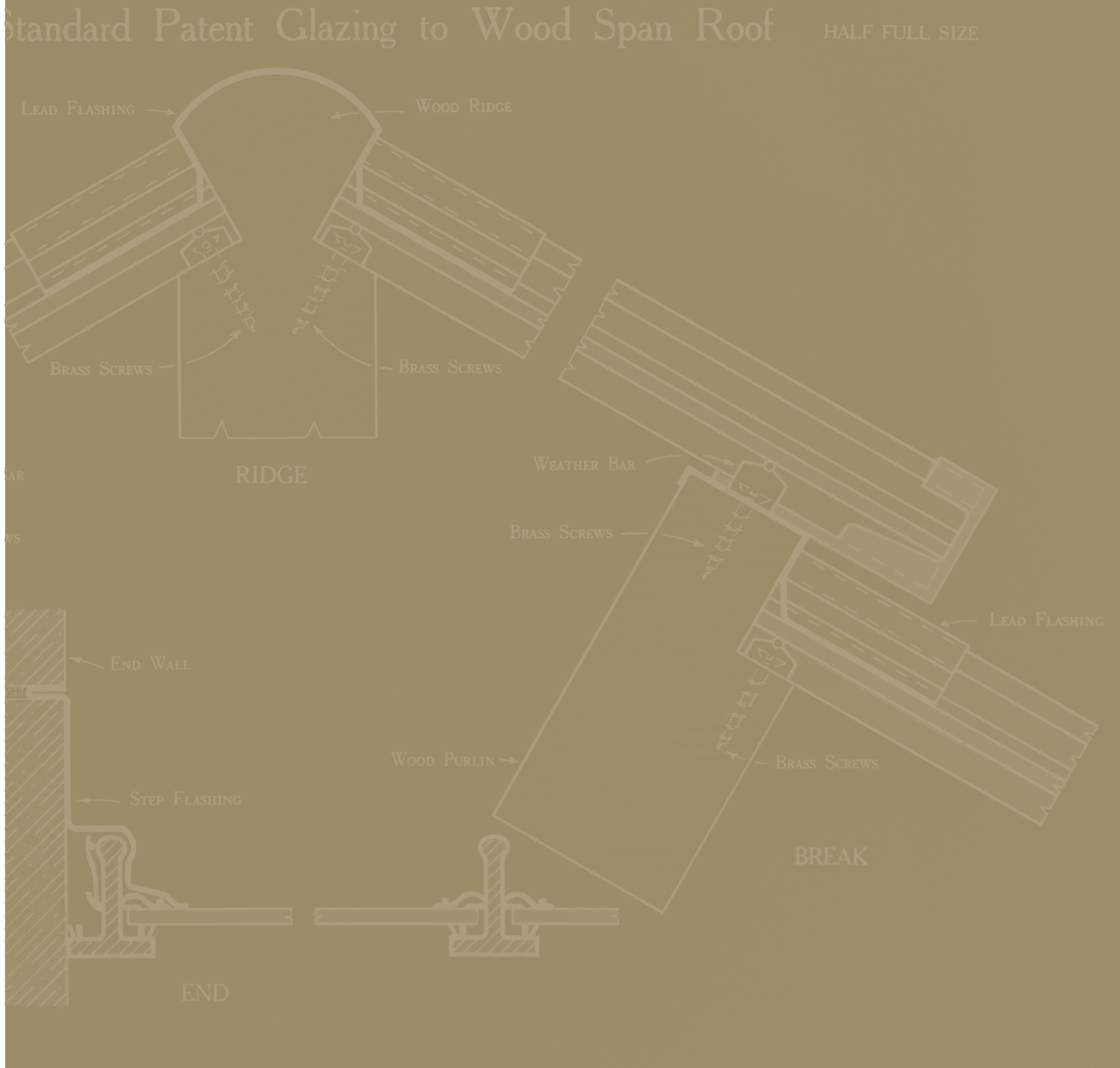
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Designed to support

From design to aftercare, we handle every aspect of your project.

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The Standard Patent Glazing Co. Ltd, Flagship House, Forge Lane, Dewsbury, West Yorkshire, WF12 9EL



Standard

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