Designed for versatility. Engineered for elegance.

Standard
PATENT GLAZING
ESTABLISHED 1902

Skyline Patent Glazing Systems

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Designed for versatility. Engineered for elegance.

Versatile, sleek and cost-effective

The Skyline Patent Glazing System offers a sleek, modern glazing solution designed to sit seamlessly in-line with the roof. Its refined design makes it an ideal choice for projects requiring a discreet yet highly functional glazing bar.

This system is available with a selection of internal and external capping options, enabling multiple glazing configurations from a single suite. It is particularly popular for double and triple glazed rooflights, delivering superior insulation and energy efficiency.

Designed for both commercial and residential applications, the system provides flexibility and high performance across a variety of project types. Additionally, it is suitable for single glazed canopies, making it a versatile solution for a broad range of design requirements.

It can accept glazed infill thicknesses from 6mm up to 54mm.

Despite the systems affordability, it does not compromise on quality. It offers a perfect balance of aesthetic appeal, durability, and cost-effectiveness, making it an excellent choice for budget conscious projects without sacrificing performance.

With its sleek profile, adaptability, and efficiency, the system is a standout choice for architects and designers looking to create elegant, high performing glazed structures.

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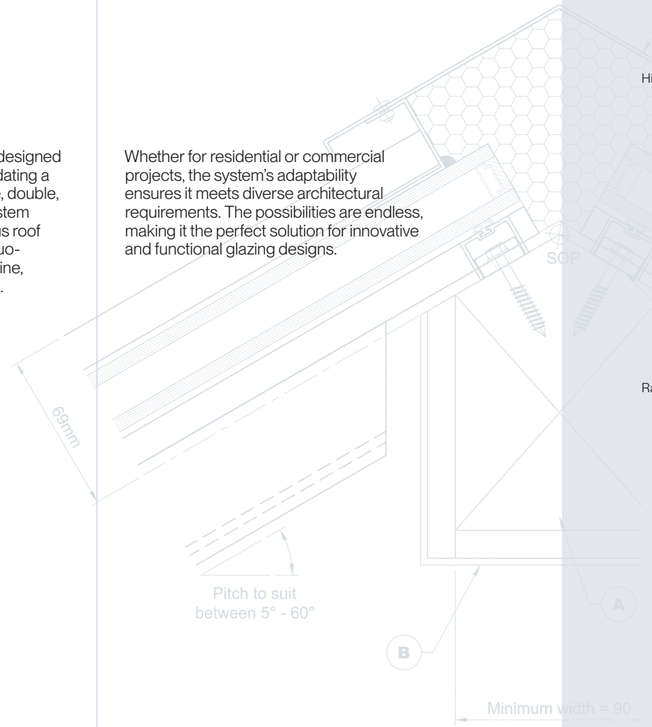
Endless possibilities with exceptional versatility

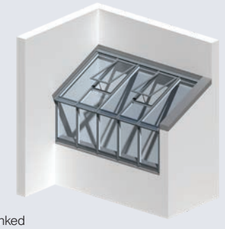
Our Skyline Patent Glazing System is designed with exceptional versatility, accommodating a wide range of configurations for single, double, and triple glazing applications. The system can be seamlessly installed into various roof structures, including mono-pitched, duo-pitched, valleys, hips, tiers,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

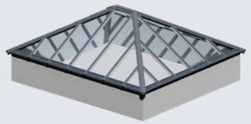


Here are some of the configurations we offer:

Canopy

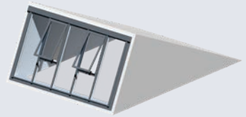


Cranked



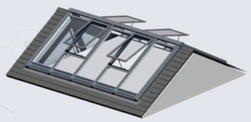
Hipped and ridge

Mono-pitched to wall

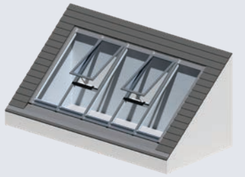


Northlight

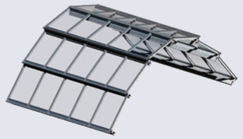
Raised above



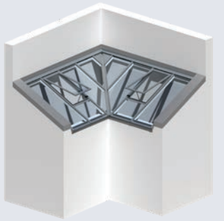
Ridgelight



Slate roof in-line



Tiered



Valley

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Precision engineered for in-line integration

The Skyline Patent Glazing System is a precision-engineered solution designed for in-line roof integration, offering a sleek, modern profile without compromising structural integrity.

Versatile configuration options

With modular capping options, the system allows for multiple glazing configurations from a single suite. It supports double and triple-glazed rooflights, enhancing thermal insulation and energy efficiency to meet stringent building regulations.

Optimised for commercial and residential applications

Designed for high-performance use, the system suits both commercial and residential projects. It offers weather resistance, durability, and seamless integration, making it ideal for new builds and refurbishments.

Expanded design applications

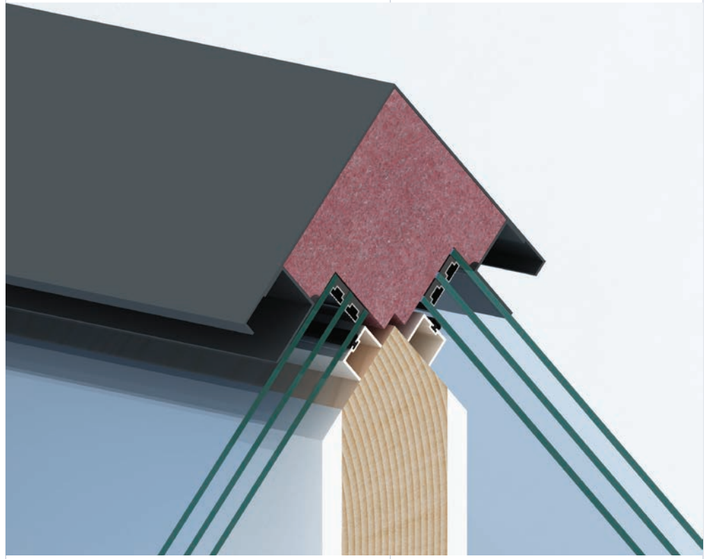
Beyond rooflights, the system supports single-glazed canopies, offering flexibility for various structural and aesthetic requirements. Its adaptable design ensures compatibility with multiple glazing thicknesses.

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 complies with Building Regulations Part L 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.

Cost-effective without compromise

Despite its affordability, the system delivers premium performance, strength, and durability. It provides an optimal balance of cost efficiency, aesthetics, and reliability for budget-conscious projects.



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Span chart

Performance data for Skyline Patent Glazing Bars.

Bar section	Fin depth (mm)	Ixx-mm^4	Zxx-mm^3 plastic podulus
SPG2	55	240,628	5032
SPG3	75	500,995	8318
SPG4	100	1,296,896	18,875

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.

Advantages

- Slender section.
- Concealed capping fixings.
- 'L' Reg compliant.
- Thermally broken.
- Suitable for accepting opening vents.
- Suitable for skylights.
- Suitable for canopies/walkways.
- Single, double or triple glazed options.

Considerations

Internal stalks of the Skyline range are removed at the top and bottom positions of the glazing with a small gap to allow for tolerance for discrepancies within the supporting structure.

If the supporting rails are not constructed accurately then uneven visible cut-out lengths of the stalks become noticeable. This may require additional builders work to mask the out of line supports.

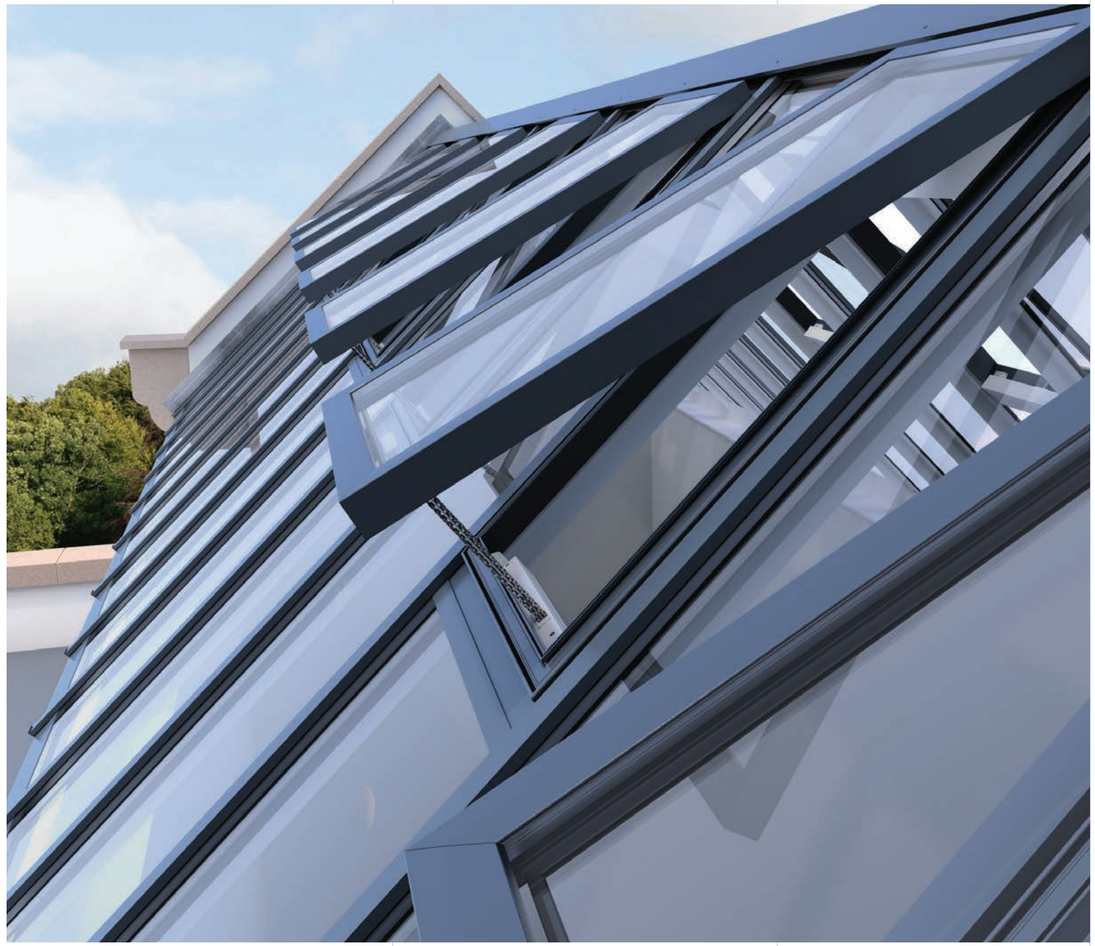
Roof span (mm)*		
Double glazing	Single glazing	Canopy glazing
1050-2630	2000-3290	1510-2810
1520-3530	3500-4220	1950-3610
2450-4470	5000-6000	2930-4970

*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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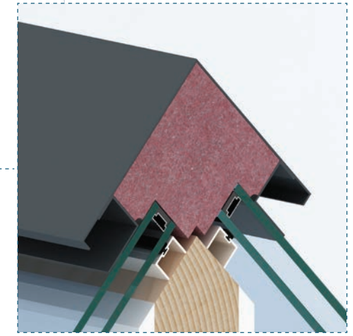
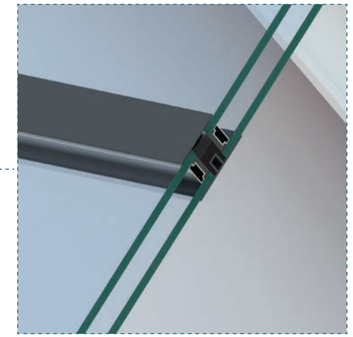
Technical drawing

This CGI render showcases a 3D technical drawing of our Skyline 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.

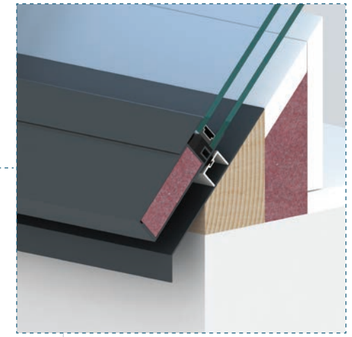


Ridge



Intermediate

Eaves



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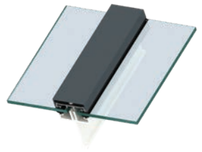
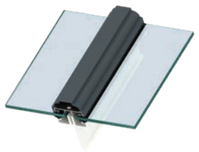
Glazing bar configurations

The Skyline range can accommodate glazed infills from 6mm to 54mm.

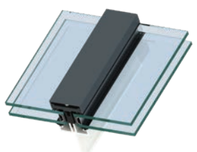


SSA-AAA-AA1

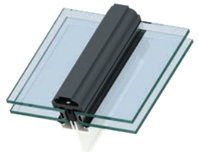


SSA-AAA-AA2

Skyline SPG 2 type polyester powder coated aluminium glazing bar with PC2 & PC3 cosmetic cappings—single glazed.

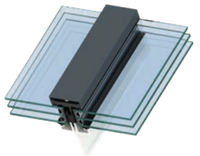


SDA-AAA-AA1

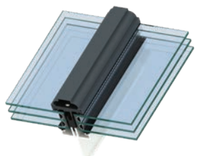


SDA-AAA-AA2

Thermally Broken Skyline SPG 2 type polyester powder coated aluminium glazing bar with PC2 & PC3 cosmetic cappings—double glazed.



STA-AAA-AA1



STA-AAA-AA2

Thermally Broken Skyline SPG 2 type polyester powder coated aluminium glazing bar with PC2 & PC3 cosmetic cappings—triple glazed.

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.

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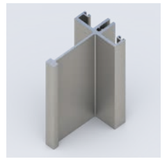
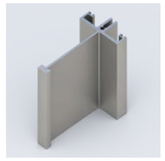
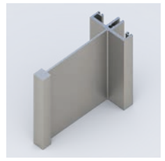
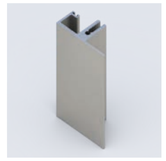
Component list

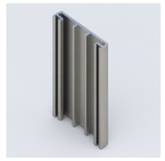
Glazing bars


SPG2

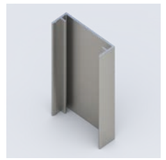

SPG3


SPG4


EB1


PC1


PC5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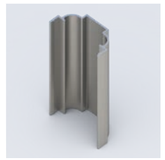
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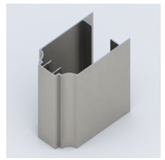
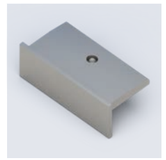
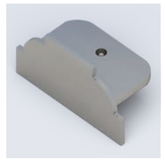
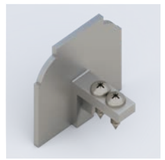

PC4

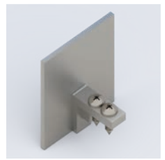

PC2 CAP


PC3 CAP

End stops & fixing plate


CS1


CS2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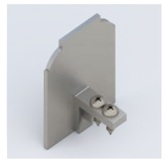
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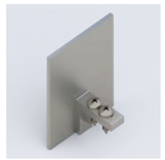
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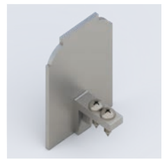

CS6

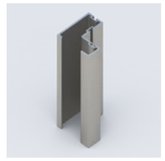

CS7

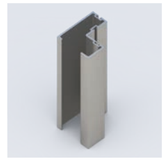

CS8


FP1

Cappings

Weather bars


WB1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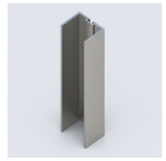
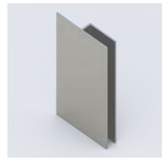
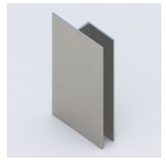

WB4

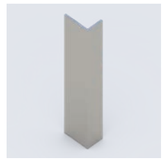
Glass abutment joints


JS2


JS3


JS4

Glass edge protectors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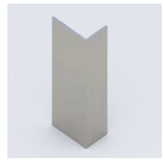
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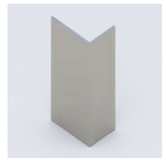
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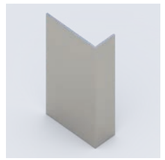
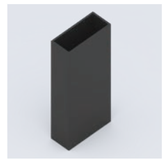

GEP5

End bar packs


EP1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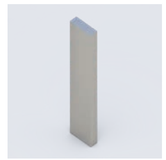

EPS3

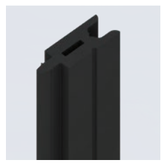
Gaskets


AB635 B


AE065 B

Thermal breaks


TB33 B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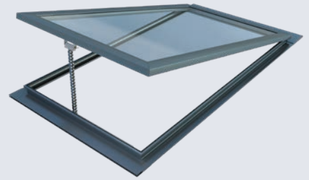
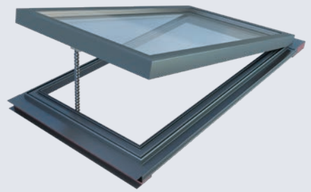
Opening ventilators



Single glazed opening vent

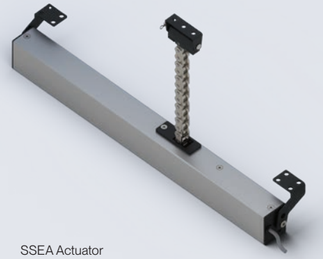


Double & triple glazed opening

Gearing

Screwjack

SPG45



SSEA Actuator

SSEA Double Actuator

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

Our popular colours

7015	Slate grey

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

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

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

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

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

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

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

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

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

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

mm	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1050	1200	1250
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1750																	
2000																	
2250																	
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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.

Design and safety

BS 6262-4 Glazing for buildings. Safety related to human impact.

BS EN 1991-1 Loading for buildings. Code of practice for dead and imposed loads.

BS EN 1991-1-4 Loading for buildings. Code of practice for wind loads.

BS EN 1999-1 Structural use of aluminium. Code of practice for design.

BS EN 12056-3 Gravity drainage systems inside buildings, roof drainage, layout and calculation.

BS EN 14024 Metal profiles with Thermal Barriers. Mechanical Performance, proof, tests and requirements.

Thermal and quality

BS EN ISO 10077-1 Thermal transmittance and performance calculation of windows, doors and shutters, part 1.

BS EN ISO 10077-2 Thermal transmittance and performance calculation of windows, doors and shutters, part 2.

BS EN ISO 12567-1 Determination of thermal transmittance using hot box method, Part 1.

BS 8000-0 Workmanship on building sites. Code of practice for glazing.

BS EN ISO 9001 Quality management systems – Requirements.

Finishes

BS 3987 Specification for anodic oxidation coatings.

BS 4842 Specification for liquid organic coatings.

BS 6496 Specification for powder organic coatings.

BS EN 12206-1 Paints and Varnishes.

BS EN 12373-2 Aluminium and aluminium alloys

BS EN 1774 Zinc and zinc alloys.

BS EN 10268 Cold-rolled flat products.

BS EN 12844 Zinc and zinc alloys.

BS7371 Mechanical properties of corrosion-resistant stainless-steel fasteners.

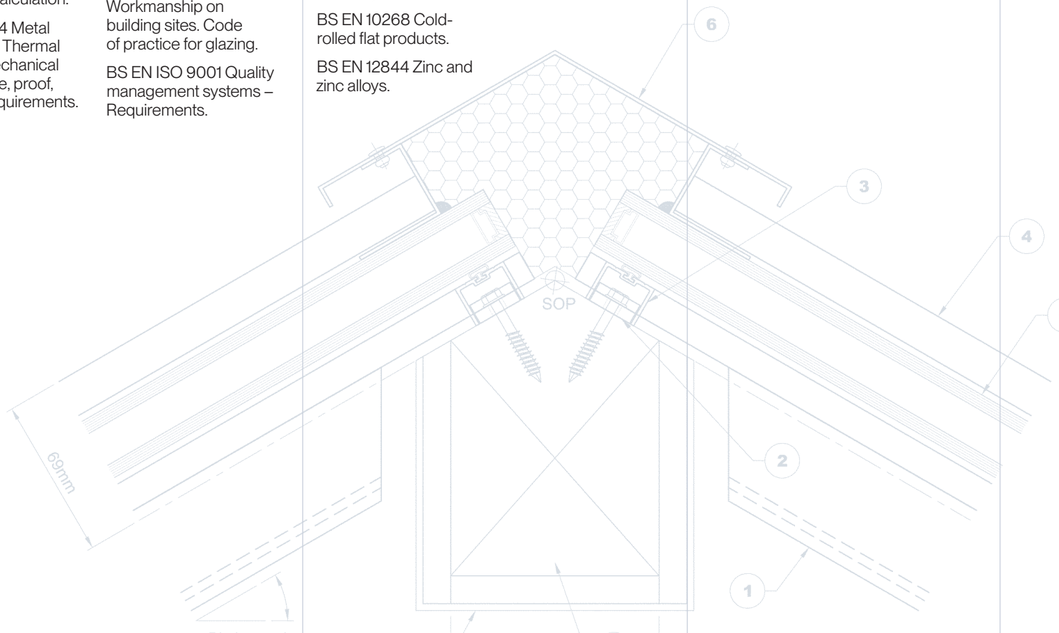
BS 3382 (various) Specification for electroplated coatings.

BS 6338 Specification for chromate conversion coatings.

BS EN ISO 1461 Hot dip galvanized coatings.

PD 6484 Commentary on corrosion.

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.



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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.

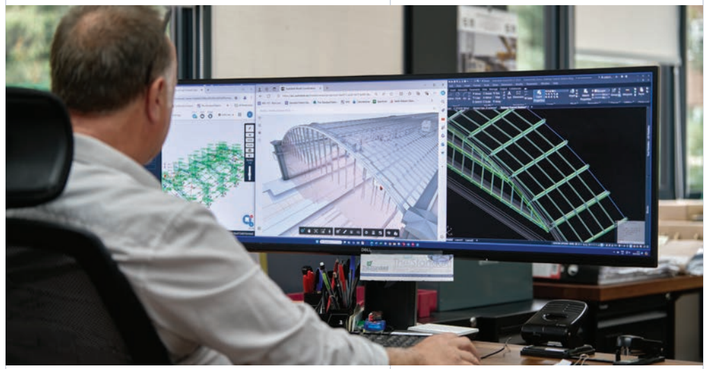
Health and safety

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.

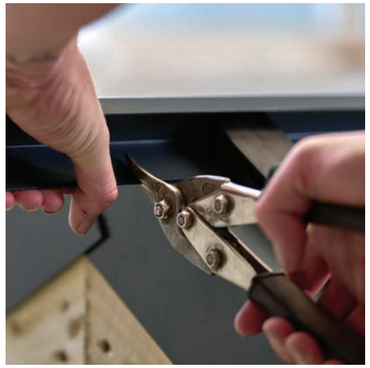
We utilise a combination of state-of-the-art machinery and original Victorian equipment to produce our distinctive Heritage lead-covered steel glazing bars, ensuring both innovation and tradition in our manufacturing process.

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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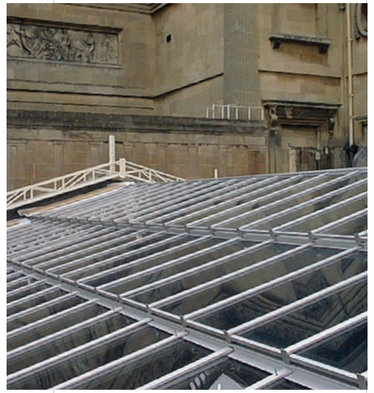
Case study

Buckingham Palace

Roof glazing at the Queen's Gallery London



Project overview

The addition of the Queen's Gallery represents the most significant architectural intervention at Buckingham Palace since Queen Victoria's Great Ballroom was constructed in the 1830s. Buckingham Palace stands as a cornerstone of London's iconic landmarks, embodying Britain's national identity and serving as a major attraction for tourists worldwide.

Design and development

Built to commemorate Her Majesty Queen Elizabeth II's Golden Jubilee in 2002, the new Queen's Gallery transcends its predecessor, quadrupling the exhibition space with a modern suite of galleries. The project was inaugurated by H.M. Queen Elizabeth II in May 2002 and has since garnered acclaim, including prestigious awards like the Royal Institute of British Architects Award in 2003, the Royal Fine Arts Commission Building of the Year Award in 2003, and the Best Modern Classical Building Award from the Georgian Group in 2004.

We supplied and installed their Skyline Patent Glazing System for the gallery's roof. This innovative solution was integral in bringing natural daylight into the gallery space, enhancing the visitor experience and providing a fitting backdrop for the showcased artifacts.

Main Contractor:

Wates Construction Ltd

Architect:

John Simpson Architects

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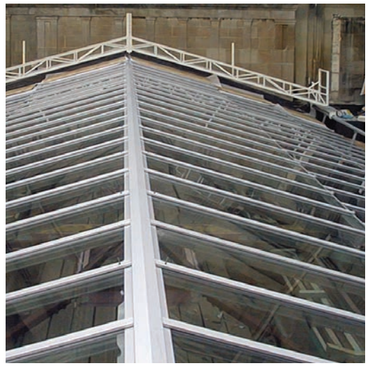


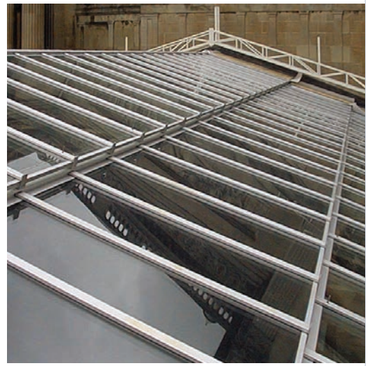
Technical specifications

The installation covered 500m² of glazing, incorporating multiple glass specifications tailored for high performance in solar control and UV protection. This careful selection ensures the preservation and longevity of the displayed artifacts while meeting the stringent design requirements set forth by the architects.

Collaborative approach

The project demanded meticulous coordination with a specialist in sheet copper cladding to seamlessly integrate the interfaces between the copper cladding and the glazing system. This collaborative effort was crucial in realising the architect's vision and achieving the desired aesthetic and functional outcomes.

This case study outlines the journey from design through installation, highlighting the innovative solutions and collaborative efforts that made the Queen's Gallery at Buckingham Palace a modern architectural marvel and a beacon of cultural significance.



"I worked closely with Standard Patent Glazing Co Ltd on the Queen's Gallery project at Buckingham Palace as Quantity Surveyor for Wates Construction Ltd. Their Skyline Patent Glazing System was pivotal in maximising natural daylight while ensuring optimal conditions for the exhibited artifacts.

From design to installation, they demonstrated professionalism and technical proficiency. They seamlessly integrated their glazing solutions with other specialist elements like sheet copper cladding, meeting stringent architectural requirements with precision.

Their proactive approach, attention to detail, and collaborative spirit were key to the project's success. I highly recommend them for their exemplary performance in delivering complex glazing solutions."

Stephen Battle
Quantity Surveyor at Wates Construction Ltd

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Leeds Art Gallery and Central Library

Roof glazing renewal at Leeds Art Gallery and Central Library

A significant renovation project encompassed a comprehensive overhaul of the Art Gallery and Central Library, involving the replacement of 1250m² of roof patent glazing. The Architect's chosen solution was the modern and thermally efficient cruciform Skyline Patent Glazing System.

A challenge of continuity: keeping the Central Library operational

A vital aspect of the project was the need to keep the Central Library open during the roof repair work. The roofing project at the Art Gallery brought an unexpected discovery: the original sectional barrel vault glazed roof. The imperative, however, was to ensure that roof openings remained watertight throughout the removal and installation process. This challenge was successfully navigated through effective coordination between trades.

Sustainability in focus: efficiency, cost reduction, and art protection

The project incorporated several sustainable elements aimed at enhancing the building's efficiency, reducing costs, and safeguarding artwork and historical documents. The outdated single glazed roofs made way for a modern, thermally efficient, and sympathetically designed double glazed powder-coated system.

The high-performance double glazed units featured solar control and a satin low iron laminated inner pane, providing excellent light transmission and ensuring a high level of privacy. Furthermore, these units retained their integrity even in the event of breakage.

Logistical prowess: navigating large pitched roofs

The logistics of working on extensive pitched roofs were undeniably challenging. However, our expert Installation team skilfully navigated these routes to ensure the project's timely delivery.

Main Contractor:

Bermar Building Co Ltd

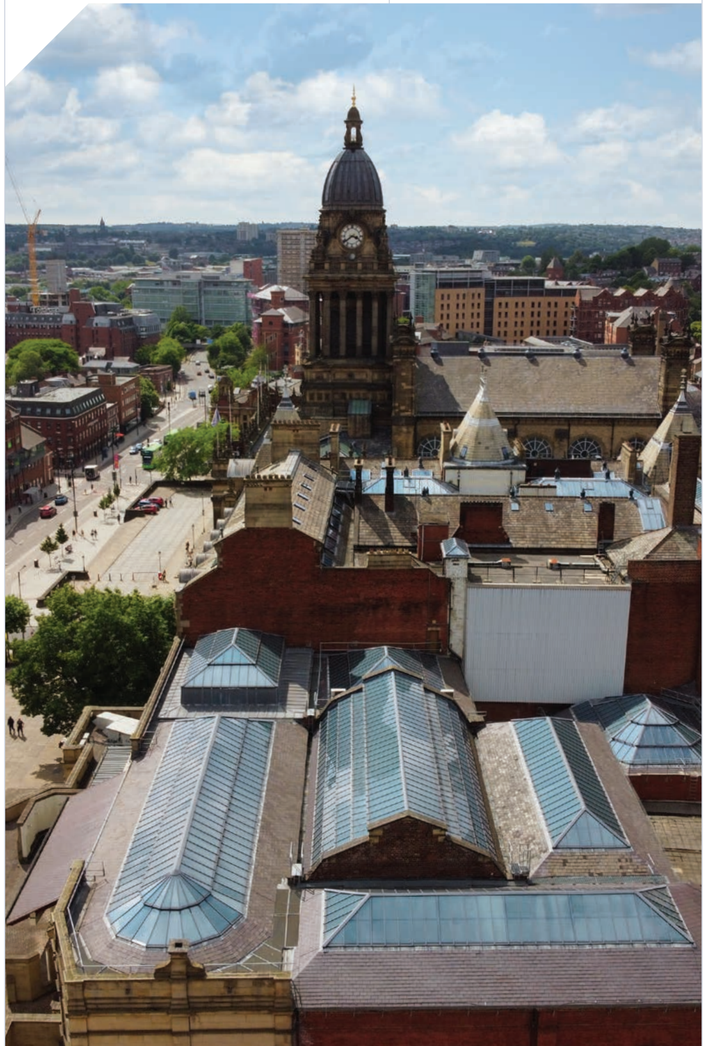
Architect:

NPS Group

Result: a harmonious blend of past and present

The renovation project at the Art Gallery and Central Library stands as a testament to the successful harmonisation of historical charm and modern efficiency. The introduction of thermally efficient glazing solutions not only enhances the buildings' sustainability and cost-effectiveness but also provides added protection for invaluable artwork and historical records.

This case study underscores our commitment to delivering solutions that seamlessly blend historical preservation with modern practicality. The Art Gallery and Central Library now stand as exemplars of how heritage can be preserved and improved for future generations.



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"I highly commend the exceptional work of Standard Patent Glazing Co Ltd on the roof glazing renewal project at Leeds Art Gallery and Central Library. Their ability to efficiently execute this complex renovation while keeping the Central Library operational is a testament to their expertise and professionalism.

The project's focus on sustainability, efficiency, and cost reduction, along with the expert navigation of challenging logistical aspects, has resulted in a harmonious blend of past and present.

This project stands as an exemplar of how historical preservation and modern practicality can seamlessly coexist. I am delighted with the outcome and recommend them for similar endeavours, for their commitment to delivering solutions that preserve heritage while enhancing functionality."

Rob Moon
Director at Burmar Building Co Ltd

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Case study

Kimberley Clark Façade Works

Water tower and façade glazing Northfleet

Phase 1: replacement façade glazing to Derelict Water Tower

In the initial phase, we undertook the installation of 1200m² of patent glazing on a faceted façade, comprising 22 tiers. The survey of the existing structure, complicated by the complex shape, required meticulous planning. Coordination with the client and the scaffolding contractor was crucial to ensure effective installation logistics.

Challenges included negotiating protruding elements during glazing system installation. To address this, bespoke prefabricated sheet aluminium panels and weathering flashings were employed, effectively weathering the structure. Additionally, the company supplied new entrance and fire exit doors for the building.

As part of the aesthetic considerations, spandrel panels were strategically installed to conceal intermediate floors, seamlessly matching the corporate colours of the client's branding. The entire installation process adhered to CWCT standards, resulting in a successful design, manufacture and installation.

Phase 2: replacement façade glazing to canteen and office buildings

Building upon the success of the first phase, we continued as the chosen company for the second phase. Survey challenges persisted due to the existing glazing system remaining in place during the installation.

Navigating the complexities of a live building, the project team formulated a robust program of works. The installation of glass double glazed units, each weighing approx. 100kgs, required the incorporation of a specialist contract lift.

Consistency in design elements was maintained, with the installation of spandrel panels continuing to conceal intermediate floors, aligned with the client's branding. Adherence to CWCT standards persisted throughout the installation process.

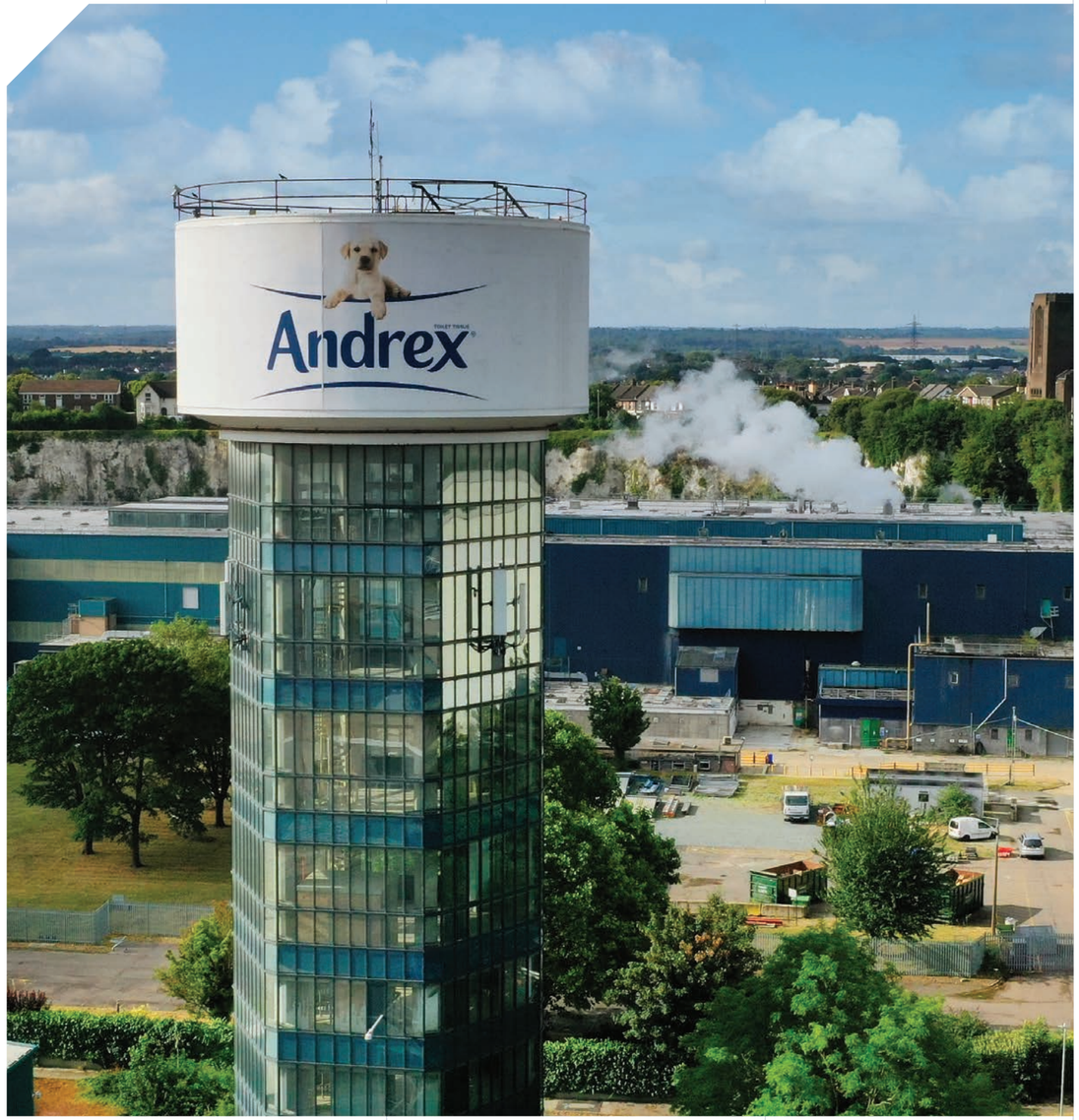
In conclusion, both phases were successfully completed, showcasing the company's effective planning, coordination, and unwavering commitment to industry standards. We solidified our reputation as a reliable partner for intricate façade glazing projects at the Kimberly Clark paper mill in Northfleet.

Main Contractor:

Kimberley Clark Ltd

Architect:

N/A



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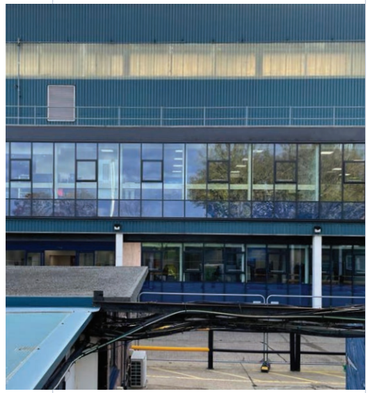

"I am pleased to provide an enthusiastic testimonial for the outstanding work delivered by Standard Patent Glazing Co Ltd on the Northfleet Water Tower and Façade Glazing project.

During the first phase, the installation of 1200m² of patent glazing to a faceted façade presented complex challenges, including a survey of the existing structure with the glazing in place. They demonstrated meticulous planning and coordination with both our team and the scaffolding contractor. Negotiating protruding elements during installation was managed with precision, utilizing bespoke prefabricated sheet aluminium panels and weathering flashings.

The addition of new entrance and fire exit doors, along with strategically placed spandrel panels that seamlessly matched our corporate colours, showcased their attention to detail and commitment to aesthetic considerations. The entire installation adhered to CWCT standards, resulting in a design, manufacture, and installation that we consider a huge success.

Given their exceptional performance in the first phase, they was the clear choice for the second phase involving the replacement façade glazing to our canteen and office buildings. Despite the challenges posed by the live building environment, the company's project team formulated a robust program of works, ensuring minimal disruption.

The incorporation of a specialist contract lift for glass double glazed units weighing around 100kgs demonstrated their dedication to safety and efficiency.

Consistency in design elements, including the installation of spandrel panels and adherence to CWCT standards, remained paramount throughout the entire project. They have undoubtedly solidified their position as a reliable and expert partner for intricate façade glazing projects at our Kimberly Clark paper mill in Northfleet.

In conclusion, I highly recommend them for their expertise, professionalism, and exceptional performance in delivering a successful outcome for both phases of this project."

Robert Sage
Project Manager at Kimberly Clark

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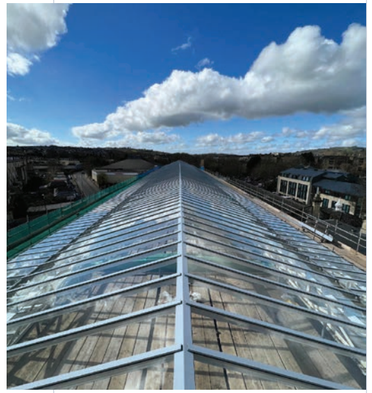
Green Park Station

Roof glazing replacement at Green Park Station, Bath



Green Park Station, originally known as Queen Square Station and constructed in the 1860s, served as an operational railway station for over a century. However, in 1966, the final train from Bristol pulled into the station as British Rail decided to close its doors.

Since the 1980s, Green Park Station has been under the management of The Ethical Property Company and has also found a home for the Bath Farmers' Market.

A safety concern emerges

In 2021, a piece of glass fell from the station's glazed roof, posing a potential safety hazard. Fortunately, it landed on one of the metal ceiling beams rather than striking a shopper below.

In response to this incident, a safety net was installed just beneath the roof to capture any additional loose glass fragments, preventing them from falling further.

Furthermore, the central area of the station was cordoned off to ensure the safety of visitors by avoiding any passage beneath the compromised structure.

Evaluating the condition

Following the safety incident, our expertise was sought to assess the condition of the station's glazing system.

After conducting a thorough condition survey, we compiled a comprehensive report indicating the need for a complete replacement.

The solution

We were awarded the contract and proceeded to install our Skyline Patent Glazing System, which incorporated 8.8mm clear laminated Class A safety glass.

This roof glazing replacement offered an assurance of safety and replaced the prior fragile glazing system with a non-fragile assembly.

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Overcoming challenges

The safety netting previously installed to retain the existing glazing and the station's landlocked position on three sides created challenges for obtaining accurate dimensions during the survey.

Nonetheless, relying on our expertise, we successfully gathered precise measurements, ultimately delivering the project with accuracy and efficiency.

Outcome: a safe and renewed icon

The Green Park Station roof glazing replacement stands as a testament to our commitment to safety and the restoration of historic landmarks.

By implementing our Skyline Patent Glazing System with safety glass, we ensured a secure and non-fragile assembly.

This case study exemplifies our dedication to ensuring the safety of public spaces and the restoration of architectural heritage.

Green Park Station now boasts renewed glazing that upholds its historical significance and guarantees the safety of visitors and occupants.

"I am pleased to extend my heartfelt appreciation for the exceptional work of Standard Patent Glazing Co Ltd's Installation Team and surveying team in the roof glazing replacement project at Green Park, Bath.

Their expertise and dedication were truly instrumental in ensuring the safety and restoration of this historic landmark. Following a safety incident at Green Park, their surveying team conducted a thorough condition survey, providing invaluable insights into the urgent need for a complete replacement.

The subsequent installation of the Skyline Patent Glazing System with safety glass not only restored the station's historical significance but also guaranteed the safety of visitors and occupants.

The Green Park Station roof glazing replacement is a testament to their unwavering commitment to public safety and the preservation of architectural heritage. I highly recommend them for their exceptional work."

Gary Turpin
Construction Manager at
William Southern Ltd

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

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PATENT GLAZING

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