



**Turning Architectural Design Into Reality**  
High-Performance Facade Systems

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FACADE  
SYSTEMS

***Highly versatile,  
energy efficient,  
curtain wall  
systems.***

APA Facade Systems manufacture a variety of highly versatile, energy efficient curtain wall systems. Our profiles are available with capped and structurally glazed finishes and can be seamlessly integrated with our ST windows and doors, sliding door systems, concealed frame vents, louvres and solar shading systems.





*Competitively priced  
high-performance  
facade systems.*



For over 45 years, APA Facade Systems have completed projects in the hospitality, healthcare, education, retail and corporate industries across Ireland, the UK and North America.

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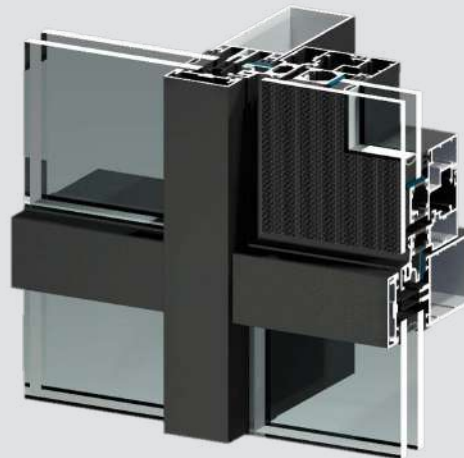
# TB50

- The extensive range of profile depths and capping options means this high-performance TB50 facade system can help achieve large spans while maintaining a 50mm sight-line, providing maximum luminosity.
- The highly versatile TB50 capped curtain wall system can accommodate a variance of glazing specifications whilst helping to ensure the specified levels of sound attenuation and thermal performances.
- Furthermore, the addition of seamlessly integrated concealed frame vents or solar shading systems can be installed within the gridwork to ensure the perfect fit for any projects desired appearance or performance requirements.



### Tech Features:

- Standard mullion depths available from 50mm to 275mm.
- Glazing thickness variance of up to 52mm.
- 50mm external sight line.
- Excellent thermal and acoustic performance.
- Variation in aesthetic external cap options available.
- Integrated louvre and solar shading systems available.
- 30-minute non-structural fire-rated system available.
- Evaluated and tested to BS/EN, AAMA & CWCT standards.
- Available in single and dual colour or anodised finish.
- Qualicoat powder coating.



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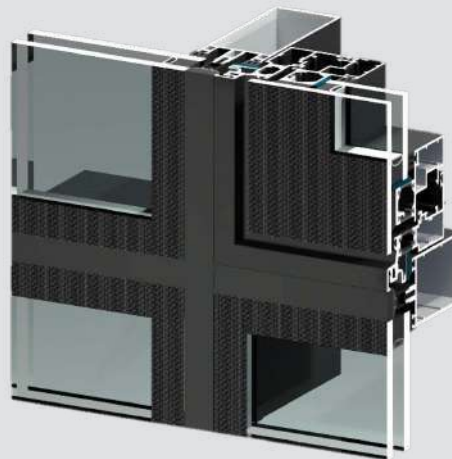
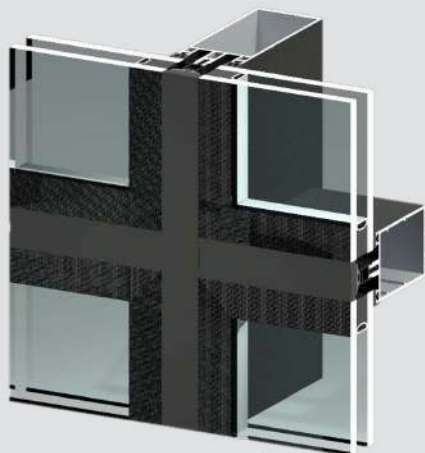
# TB50 SG

- Our TB50 SG produces a more streamlined finish to the exterior face of your facade. It uses the TB50 curtain wall system as its support grid and produces a flush finish externally with no capping or fritting required.
- The TB50 SG secures the glass by means of specially designed and tested toggles that are integral to the central seal of the glazed units. Silicone sealed, weather-resistant joints produce a flush, non-interrupted surface with excellent thermal and acoustic properties.
- A specially designed range of concealed frame vents are available to fit directly within the TB50 SG framework to provide possible ventilation and flexibility, whilst not affecting the appearance or geometry of the external facade.



### Tech Features:

- Standard mullion depths available from 50mm to 275mm.
- Glazing thickness variance of up to 52mm.
- Excellent thermal and acoustic performance.
- Silicone finish provides an un-interrupted glazing plane.
- Integrated louvres and solar shading systems available.
- Evaluated and tested to BS/EN, AAMA & CWCT standards.
- Available with Qualicoat powder coating or anodised finish.



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# TB60

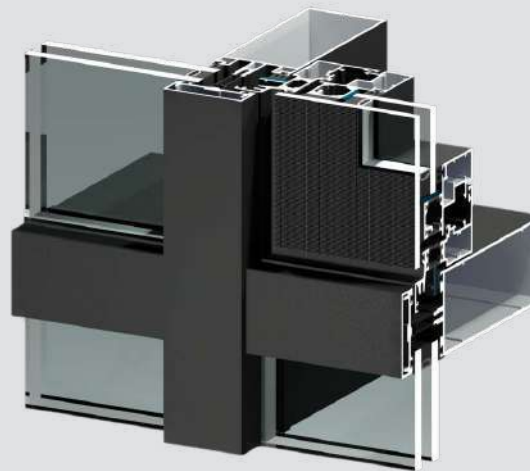
- Our TB60 facade system has been intelligently designed with reinforced profiles to accommodate the use of larger, heavier glass units up to 800 kg.
- This system can be installed to suit vertical, sloped or curved designs, making it the perfect solution for all aspects of the building envelope.
- The TB60 accommodates a variety of infill specifications to ensure the highest levels of thermal and acoustic requirements are achieved. Double or triple glazed units are available up to 52 mm thick.
- This curtain wall system facilitates the integration of our concealed frame vents louvres and solar shading systems.
- It comes with a wide range of profile depths and capping possibilities leading to multiple external visual design options.





### Tech Features:

- Standard mullion depths available.
- Glazing thickness variance of up to 52mm.
- 60mm external sight line.
- Excellent thermal and acoustic performance.
- Full range of integrated vents available.
- Variation in aesthetic external cap options available.
- Integrated louvre and solar shading systems available.
- Approved to CWCT standards.
- Available in single, dual colour or anodised finish.
- Qualicoat powder coating.



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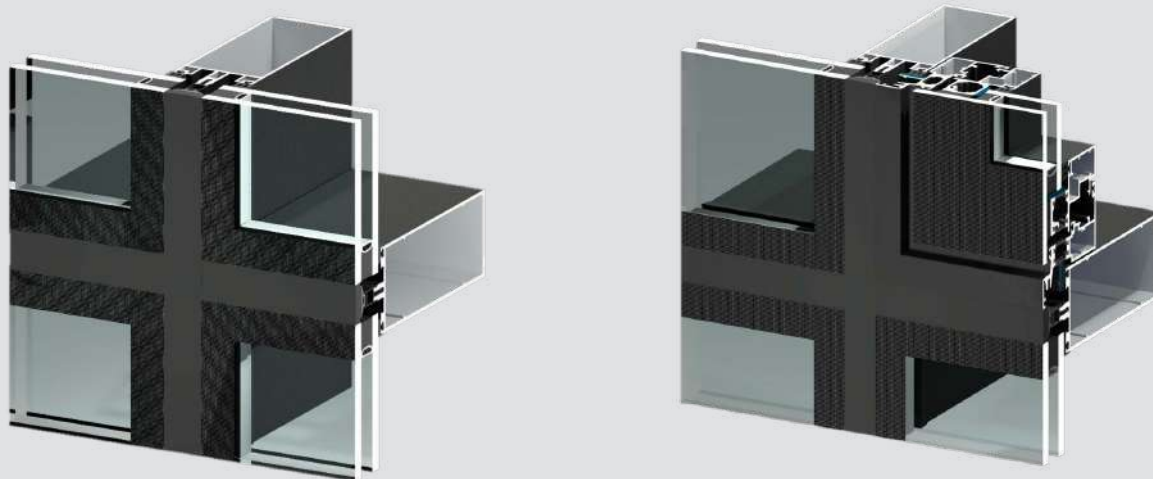
# TB60 SG

- The TB60 SG structurally glazed curtain wall system provides a more streamlined, aesthetically pleasing finish to the exterior of the building than the pressure plate and cap system.
- Utilising the same reinforced high-performance aluminium profiles as the TB60 system, the double glazed units are securely installed within the framework by means of hidden toggles secreted within the centre seal area of the glazing units.
- These toggles are then mechanically fastened to the facade grid and sealed against the elements using an approved silicone sealant, producing weather-resistant joints and a non-interrupted surface.
- As with the TB60, our concealed frame vents louvres and solar shading systems can be integrated into the TB60SG system.



### Tech Features:

- Standard mullion depths available.
- Glazing thickness variance of up to 52mm.
- Excellent thermal and acoustic performance.
- Silicone finish provides an un-interrupted glazing plane.
- Full range of integrated vents available.
- Integrated louvre and solar shading systems available.
- Evaluated and tested to BS/EN, AAMA & CWCT standards.
- Available with Qualicoat powder coating or anodised finish.





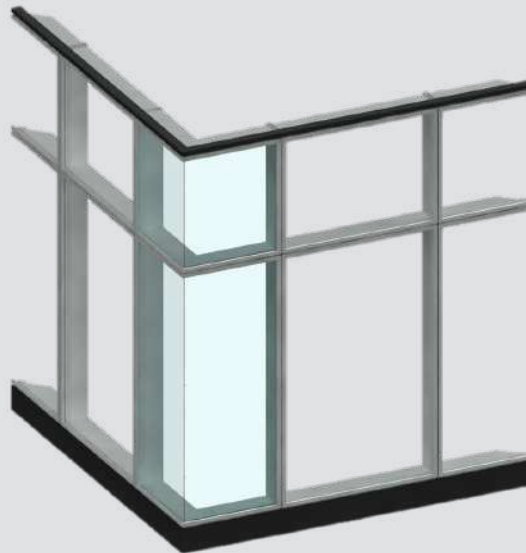
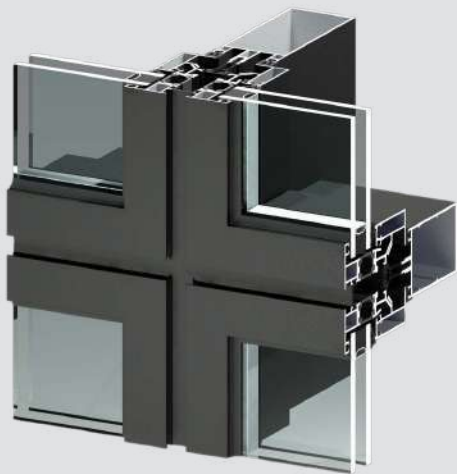
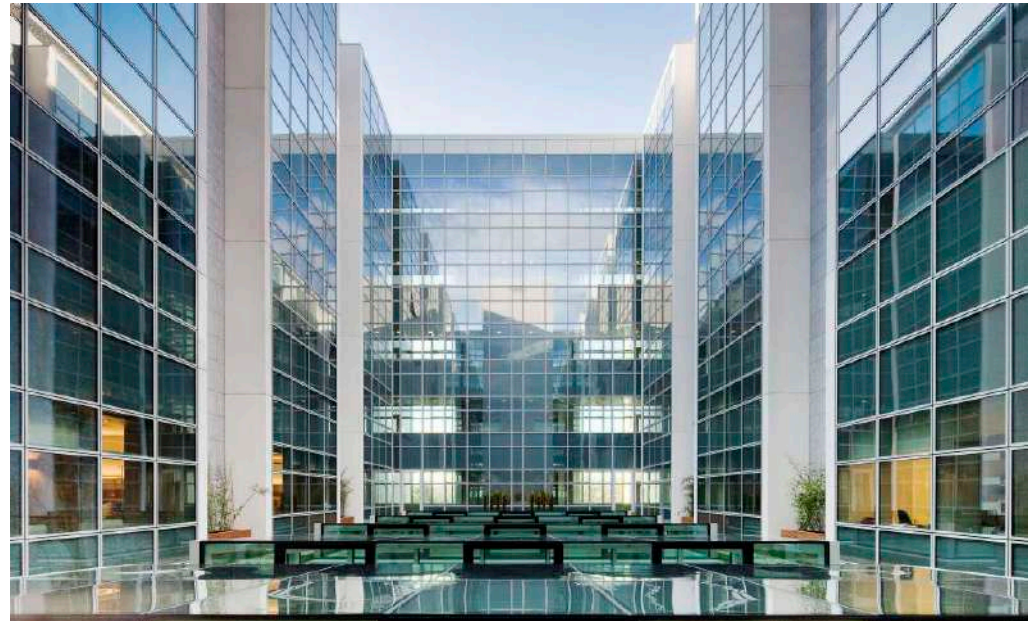
# TB35 HI

- The TB35HI is a modular framed facade system providing excellent thermal properties.
- The highly versatile TB35 HI system provides a cost-effective solution to a structures facade.
- The main grid work is installed on site in the traditional manner and the infill / glazing panels constructed off-site into a framed modular format resulting in ease and speed of installation.
- Using the TB50 system as it's support grid helps to provide an extensive level of flexibility in relation sizes of the grid possibilities.
- Combinations of the framing profiles allow for the integration of raised as well as flush fitted insulated panels to meet the desired aesthetic requirements of the facade.



#### Tech Features:

- Standard mullion depths available from 50mm to 275mm.
- Glazing thickness variance from 28mm and 36mm.
- 80mm external sight line.
- Consistent 14mm shadow gap.
- Excellent thermal and acoustic performance.
- Full range of integrated vents available.
- Integrated louvres and solar shading systems available.
- Fully tested to BS/EN and CWCT Standards.
- Available in single and dual colour or anodised finish.
- Qualicoat powder coating.

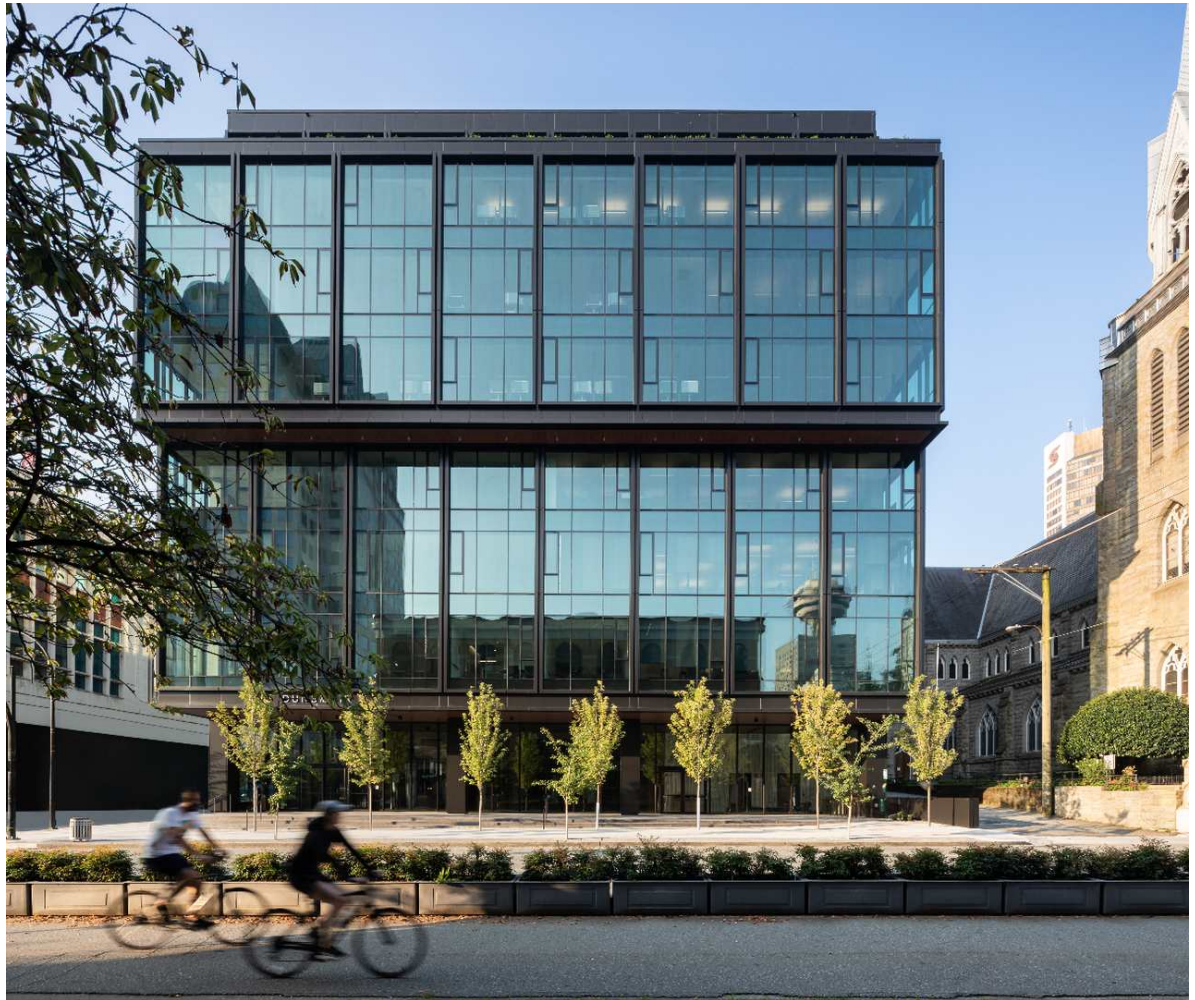


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# Concealed Frame Vents

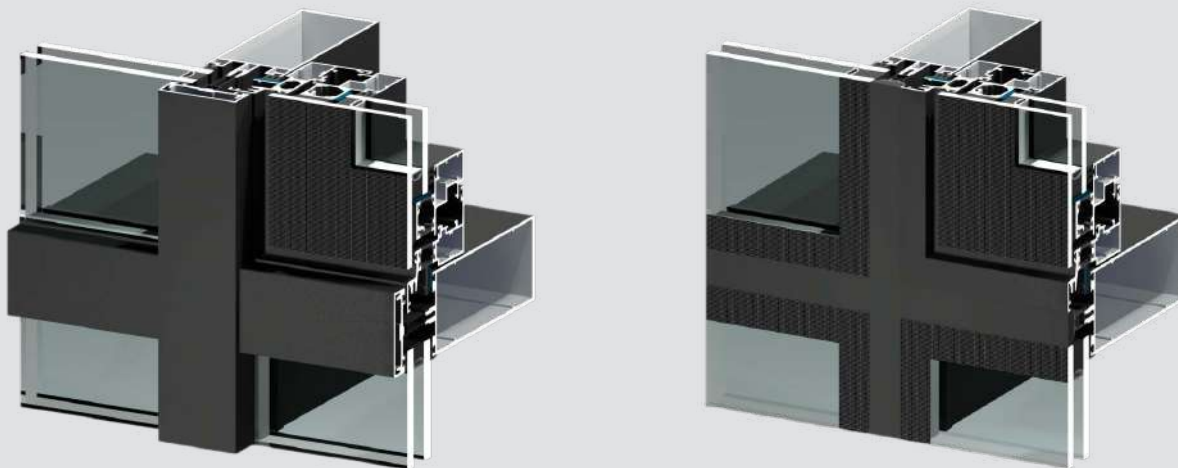
- APA Facade Systems have a variety of concealed frame vents designed to fit seamlessly into our range of capped and structurally glazed curtain wall systems.
- Our CFV's provide a constant uninterrupted glazing plane across the entirety of the screen.
- Available with double or triple glazed thermally efficient units up to 44mm thick, the CFV's have excellent thermal and acoustic performances.
- All our CFV's have been tested to British, European and North American standards by UKAS and AAMA registered testing laboratories.
- The glass units themselves are bonded to the frame using an approved bonding solution, ensuring the products suitability for high level use, whilst maintaining the opening vents integrity and performance levels.





### Tech Features:

- Easily integrated with all our capped and structurally glazed curtain wall systems.
- Suitable for double or triple glazed units 28mm to 44mm.
- Excellent thermal and acoustic performance.
- Evaluated and tested to BS/EN and AAMA standards.
- Available in single and dual colour or anodised finish.
- Qualicoat powder coating.



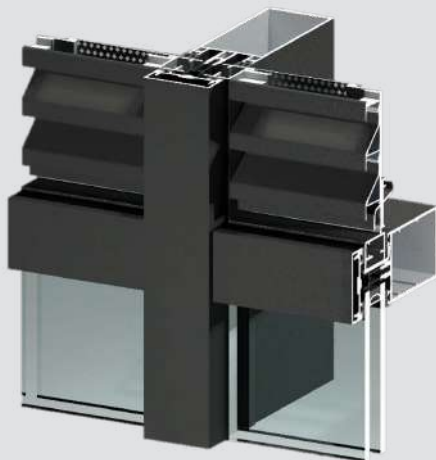
# Louvres

- APA Facade Systems Louvre panels and screens are popular with designers for many applications on modern buildings.
- Louvre systems generally provide the passage of air to and from HVAC and other building systems, while protecting these openings against rain.
- Louvre screens are also used to conceal HVAC and other heavy equipment from view. In many cases, these systems are used purely for aesthetic effect.
- APA Facade Systems provide prefabricated glazed-in panels for use in most facade and window systems and a continuous cladding system for use in cladding and rain screen applications.
- Glazed solutions for the L20 are available in 28mm thicknesses, while continuous louvres are available in 50mm and 75mm.



### Tech Features:

- Our **L20 Glazed in Louvre Panel** is suitable for use in most facade/window systems.
- Available 28mm thick.
- Can be supplied in pre-fabricated panels or stock lengths.
- Available painted or mill finish to Qualicoat powder coat.
- Comes complete with a water channel.
- Available with an insect mesh.
- Free area 48%.
- Our **L50/L75 Continuous Cladding Louvre System** is suitable for use in most cladding and rain screen applications.
- Blade sizes 50mm and 75mm.
- Can be supplied in stock length packages, painted or mill finish.
- Range of support mullions available.
- Free area 50%.





# Brise Soleil

- Our Brise Soleil systems are highly appraised and wholly adaptable to our curtain wall systems.
- A wide variety of elliptical blades are available ranging in size from 160mm to 450mm form part of the APA Brise Soleil System which can be used to enhance any buildings' optimum solar shading.
- The fixing of either horizontal or vertical panels of Brise Soleil to any of our facade systems has been made easy with the use of specially designed extruded aluminium fixing brackets, which can be painted or anodised to match the colour of the facade.
- All Brise Soleil panels are specifically designed to meet the requirements of each individual building.



### Tech Features:

- Various elliptical blades ranging in size from 100mm to 450mm.
- Horizontal or vertical positioning.
- Easily integrated with any of our curtain wall systems and our ST windows suite.
- Array of accessories available allowing for direct fitting within the facade.
- Fully tested to highest BS/EN Standards
- Each panel specifically designed to meet the buildings requirements.



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# Sustainability

- Our design team is committed to excellent environmental practice towards a green, sustainable environment.
- Our aluminium glazing profiles are designed and manufactured to conform with industry environmental standards, helping you achieve BREEAM and LEED certification.



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TU Dublin – Blanchardstown – Dublin



Notre Dame – Kylemore Abbey – Galway





Olympic Way - London



Charlemont Exchange - Dublin

- In addition to our profile's inherent life expectancy, aluminium is infinitely recyclable, making it the material of choice for balancing the demand of a growing economy with the need to help preserve the environment.
- Recycling aluminium requires 95% less energy and thus produces 95% fewer greenhouse gas emissions (GHG) than produced during primary production whilst still retaining 100% of the material's mechanical properties.



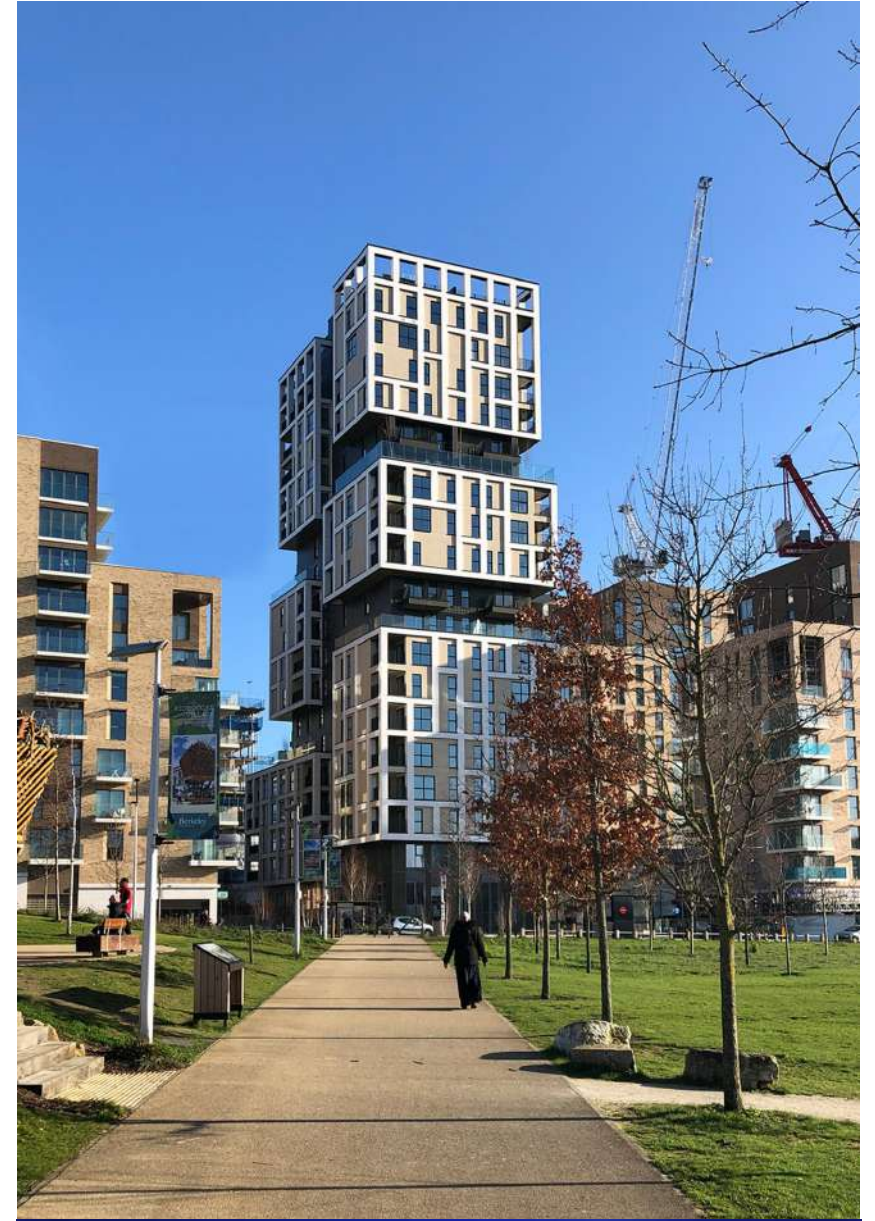




Alexion Pharmaceuticals – Dublin



The Glucksman Library – University of Limerick

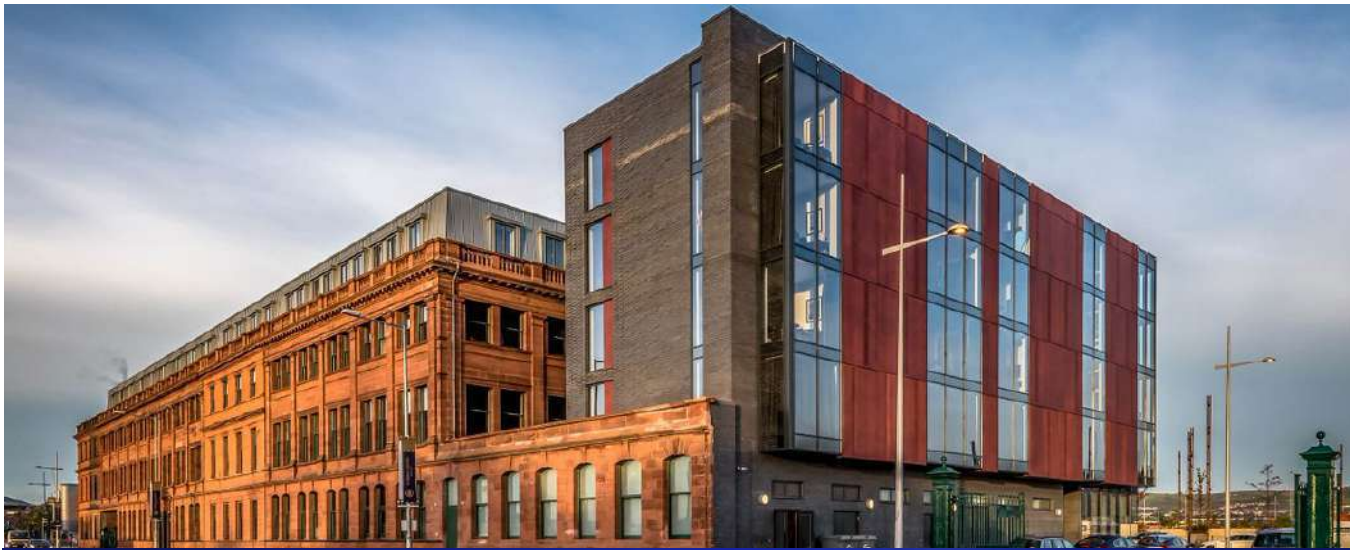


Birch House – Kidbrooke Village – London





Irish World Music Academy – Limerick



Titanic Hotel – Belfast



The Roy – Halifax



# Contact Us

If you require any extra information regarding:



Our aluminium window, door, facade, louvre or solar shading systems.



An upcoming project you would like us to price.



To organise a meeting or training day.



To get in touch with a member of our technical department.

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