



RETAIL

Innovative window, door and curtain walling solutions for new build and refurbishment of any public building, retail or commercial project.



SENIOR ARCHITECTURAL SYSTEMS



our innovative products enjoy a proven heritage within the retail sector

Senior Architectural Systems offer a complete range of integrated windows, doors and curtain wall systems, alongside product experience, training, support and sourcing, to ensure an end-to-end solution.

Our team of experienced architectural advisers, together with our technical services department, are always available to advise on all issues relating to specification, technical data and calculations, value engineering options and any other matters that aid in taking your project from concept, through design and specification, to completion.

We are well known for our unique down-to-earth cooperative approach. Fabricators, architects and contractors around the UK tell us that's why they choose to deal with Senior rather than anyone else.

Providing nationwide coverage in every aspect, we are happy to meet to discuss your project, whether you are planning to open a single shop, a bright airy showroom or a full out of town retail development.

Our range of innovative, high performance systems offer many design options, whilst maintaining a market leading competitive edge, enabling us to bring savings to overall build costs where we are involved from an early stage.

For more than thirty years we have been successfully involved in many retail type projects, both new build and refurbishment, and are always pleased to be associated with bringing aesthetically pleasing, comfortable, low maintenance buildings to fruition.



shopping centres & supermarkets

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high street

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showrooms

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leisure

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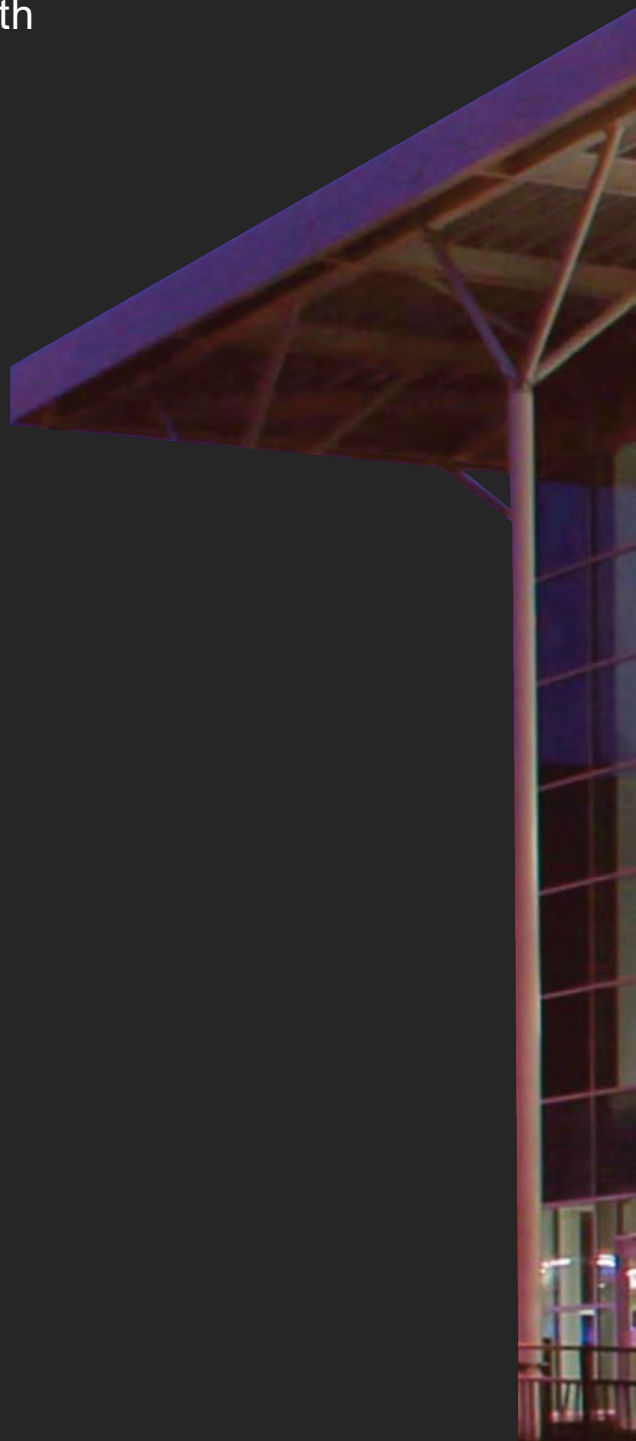
a focus on retail

The retail and leisure sectors within the construction industry encompass many differing needs from 'sustainable' solutions, in line with retail multiples' core principles, to a single shopfront with door.

Design considerations at the outset may include site location, parking, building orientation, ingress and egress, solar gain, and thermal performance, which in these days of increased energy costs for larger projects is becoming a significant challenge for the designer.

The team at Senior enjoy the challenge of helping to solve these problems and revolutionising the industry, over-coming challenges such as:

- / **Daylight** - increasing need for natural daylight
- / **Noise** - location of a building from traffic or aircraft noise
- / **Ventilation** - the provision of adequate ventilation is now paramount
- / **Durability** - the use of suitable hardware for high use
- / **Automation** - windows and entrance doors
- / **Access** - disabled and visually impairment assistance
- / **Security** - restricted access and enhanced security features
- / **User safety** - anti-finger traps
- / **Flexible environments** - the ability to use areas flexibly
- / **Thermal performance** - the increasing need to provide improved performances





after more than thirty years in
business we are known for
the **effectiveness**
of our approach



Senior Architectural Systems is one of the largest and most respected fenestration systems companies in the UK today.

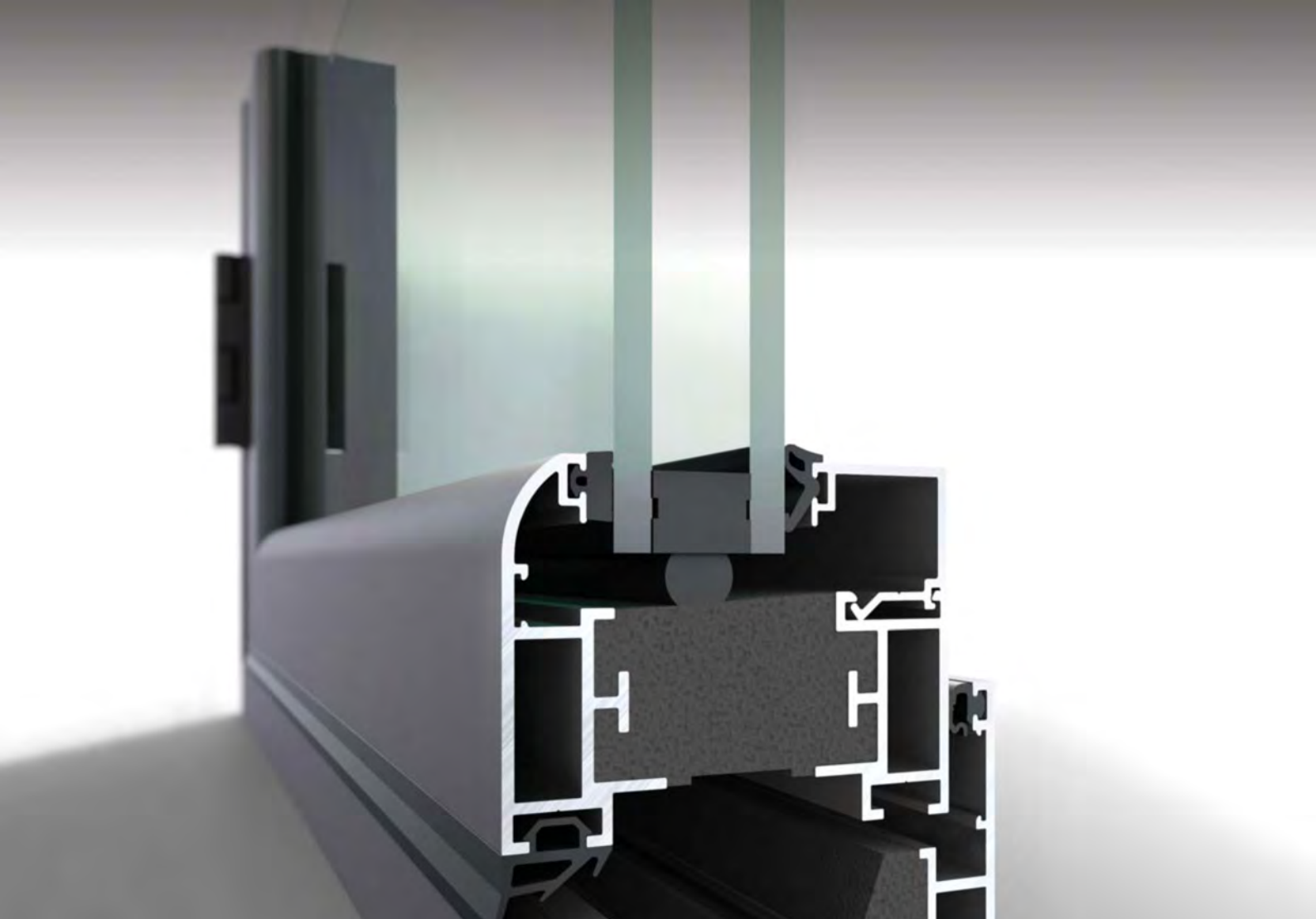
We offer an extensive range of Aluminium architectural façade systems, plus we have our own powder coating facilities, and fleet of eco delivery vehicles. So whatever your budget, deadlines, performance specification or design, we have an answer to fit.



BES 6001: Issue 3.1
Cert/Ref No. RS0054



Official Police Security Initiative



typical products

Senior is proud to have developed one of the most extensive, innovative and effective range of products on the market today.



Ali FOLD

The Ali FOLD door range has been designed to meet current and future Building Regulations, with impressive U-values and thermal performance. Available as a folding sliding and swing door system.



PURe® Windows

A revolutionary range of aluminium windows with an expanded polyurethane thermal barrier giving exceptional thermal performance.



PURe® FOLD Folding Sliding Doors, Single & Double Swing Doors.

Minimum maintenance aluminium doors featuring ultra low U-values for the ultimate in thermal performance, and complementing the windows range.



PURe® SLIDE Lift & Slide Doors

Contemporary larger style lift and slide doors in a standard or heavy duty option featuring the ultra low U-values of the revolutionary PURe® range.

typical products



SPW600/e Windows

SPW600/e is a three chamber, 75mm polyamide thermally enhanced aluminium window system offering versatility (wide variety of window styles) and is available in single or dual colour.



SPW501 Doors

Commercial thermally broken aluminium door with enhanced design options offered by a clip and flush mullion section. Available in a choice of widths.



Aluminium Curtain Wall

A range of curtain walling systems, providing a wide variety of aesthetics and excellent thermal performance for both ground floor and high rise projects.





a focus on **retail**

SHOPPING CENTRES & SUPERMARKETS

Be it an enclosed, out of town shopping centre or a larger, 24 hour supermarket, the need for automated entrances, daylight flooded atriums and large glass elevations all play a significant part in today's modern shopping experience.



Retailers must now encompass not just a shopping experience for their customers but lifestyle choices, such as coffee shops, relaxing areas, and children's play areas, occasionally in retrofitted mezzanine areas, or upper floors. Challenges such as these involve design considerations such as brise soleil to minimise solar gain, additional ventilation or wind lobbies for additional protection. Senior has many years experience in providing solutions to the most challenging of requests.

- Solar control options can assist in reducing heat gain.
- Automated entrance doors and low thresholds ease accessibility for all customers.
- Ventilation solutions can be integrated into a Building Management System.
- Minimum maintenance products.



case study
**SHOPPING
CENTRES &
SUPERMARKETS**

WILLOWBURN RETAIL PARK

Located within the historic market town of Alnwick, Willowburn Retail Park is a new shopping destination designed by Projekt Architects and constructed by Robertson Group.

The modern retail outlet features the extensive use glazed frontages created using Senior Architectural Systems' slimline SF52 aluminium curtain wall system and robust SPW501 aluminium commercial doors. Senior's systems were fabricated and installed by North Eastern Glass and Crown Doors and Shutters.



Architect:

> Projekt Architects

Main Contractor:

> Robertson Group

Installer:

> North Eastern Glass & Crown
Doors and Shutters

Products:

> SF52 Curtain Wall
> SPW501 Doors





case study
**SHOPPING
CENTRES &
SUPERMARKETS**

BLYTHE VALLEY RETAIL UNITS & APARTMENTS

Blythe Valley Park is surrounded by 122 acres of mature parkland and includes a mix of properties for residential, commercial, industrial and leisure use. Developed by IM Properties, the scheme was designed by architects Barton Wilmore and constructed by G F Tomlinson.

Specialist contractor Logic Aluminium Systems delivered the full fenestration package which includes Senior Architectural Systems' slimline SF52 aluminium curtain wall, SPW600 aluminium commercial doors and thermally-broken SPW600 aluminium windows.



Architect:

> **Barton Wilmore**

Main Contractor:

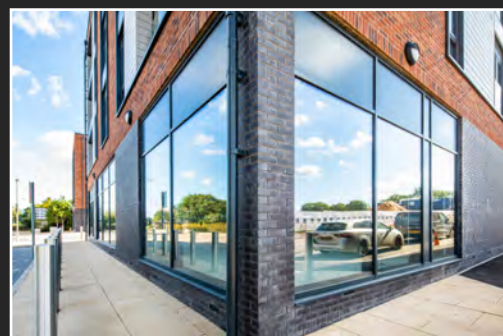
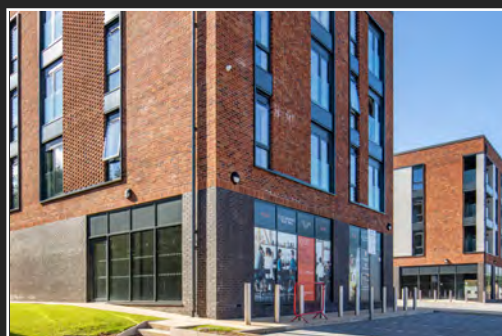
> **G F Tomlinson**

Products:

> **SF52 Curtain Wall**

> **SPW600 Doors**

> **SPW600 Windows**





a focus on **retail**

HIGH STREET

Showcasing products for sale to the general public is an art form in itself, and so too are the buildings designed around them. The general public are extremely demanding and most larger retailers now are addressing not only how they interact with their customers, but also on a moral level in terms of the quality of their supply chain, and their sustainability policies.



This change in attitude follows through to the construction of new developments, and some retailers are making the most stringent demands ever seen on the high street of the UK in recent times. Senior is at the forefront of these innovating changes, and is more than capable of meeting these developing needs.

- Sustainable choices of materials during construction phases.
- Traceability of materials to ensure compliance with legislation.
- Increased thermal performance of windows and doors in the commercial sector assisting heat loss management and thermal performance.
- Folding sliding doors for today's cafe pavement culture.



case study
HIGH STREET

FLEMINGATE, BEVERLEY

Located in Beverley, East Yorkshire the development comprised substantial retail and leisure facilities securing 163,000 sq ft of prime retail space, dominated by many well known high street names.

Featuring shops, cafes, restaurants, hotel and a cinema, Debenhams secured a significant position to entice customers into its showcase 40,000 sq ft store. Senior's SF52 curtain wall system was specified for use in Flemingate in every single store, as the product of choice for this prestigious site.



Architect:
 > **Harris Partnership**

Main Contractor:
 > **Willmott Dixon Construction**

Products:
 > **SF52 Curtain Wall**





case study HIGH STREET

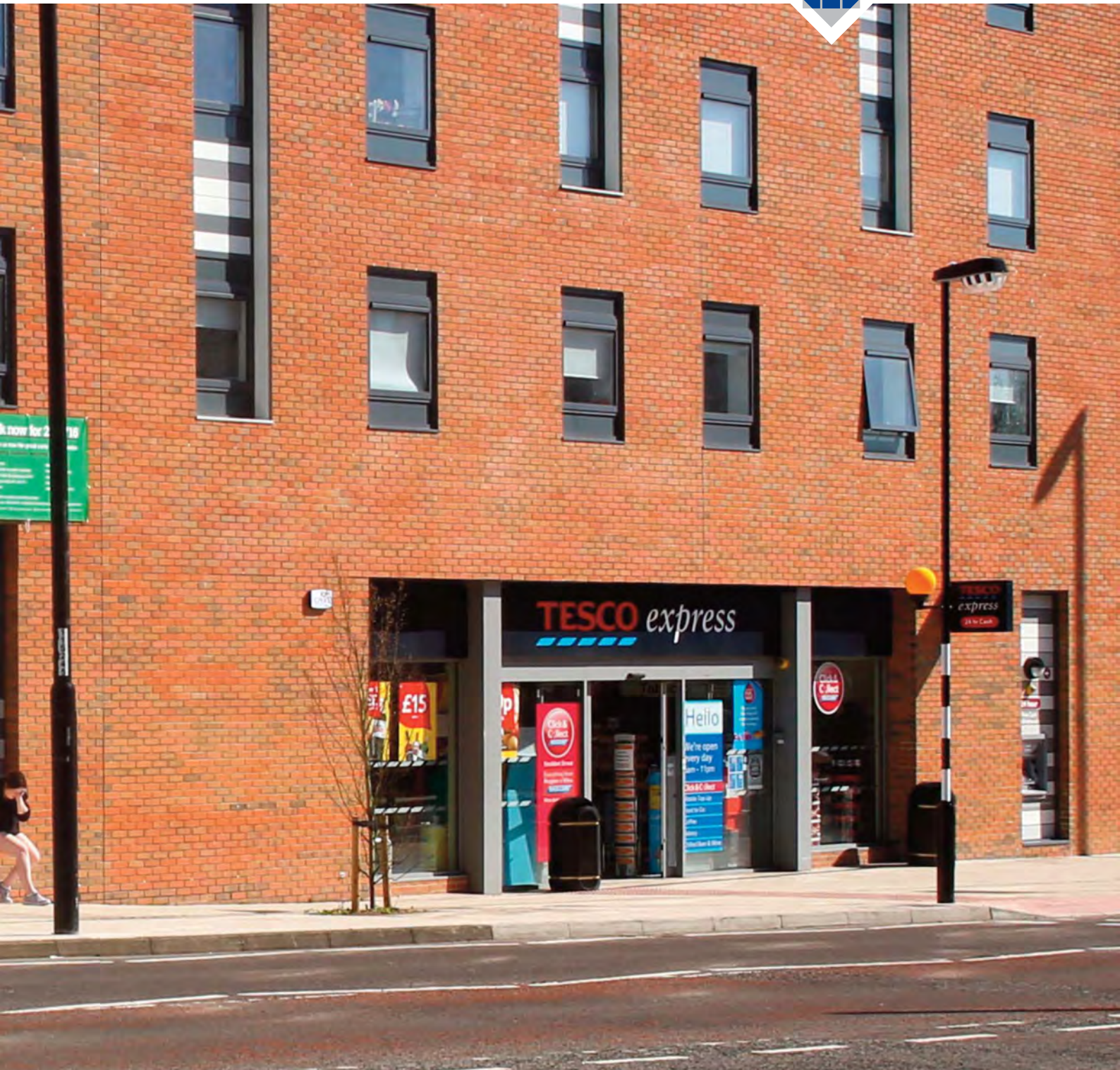
TURNER COURT, PORTLAND GREEN STUDENT VILLAGE

When architects ID Partnership designed Turner Court, a new eight storey accommodation block in Portland Green Student Village in Newcastle, they included all the features that busy students need. So it was no surprise that within days of opening, every one of the 275 bedrooms was fully let.

Built by Metnor Construction on a brownfield site, Turner Court provides a combination of 4-7 bedroom en-suite cluster apartments and studios that can cater for single or double occupancy. Facilities include high speed broadband, ample bike storage, common room, launderette and games room as well as an on-site Tesco Express and Subway.

Now one of the most popular developments in the lively and buzzing student village, Turner Court is ideally located for students from both Northumbria and Newcastle Universities.

Featuring Senior's polyester powder coated SCW+ curtain walling, SPW300 windows and automated SD Doors, fabricated and installed by Visual Concepts Ltd, the building provides a warm welcome to students living away from home for the first time. With access severely restricted around the site Visual Concepts Ltd. completed the installation with the use of mast climbers to the outside of the building and courtyard elevations.



Architect:
> ID Partnership

Products:
> SPW300 Windows
> SD Doors
> SCW+ Curtain Walling





a focus on **retail**

SHOWROOMS

Sleek lines, wonderful colours, glittering chrome and the smell of new leather! Nothing is quite as alluring as the look and feel of a new car, and the companies displaying expensive vehicles like nothing better than their buildings to reflect the cars.



From elegant, large sliding doors to allow vehicles to be displayed and manoeuvred around a showroom for maximum effect, to a funky dealership with the latest city run-arounds bolted to the side of the building, designers have their work cut out to come up with innovative ideas, and Senior has more than enough under their bonnet to assist!

- Easy glide large doors for simple access, security and weathering.
- Glazing options to minimize solar gain.
- Every colour under the sun for powder coated aluminium.



case study
SHOWROOMS

MERCEDES, CHESHIRE OAKS

Aluminium curtain walling, windows and doors from Senior Architectural Systems are helping to drive sales at the new Mercedes-Benz Inchcape car showroom in Cheshire Oaks by providing a highly visible and attractive glazed façade.

The main facade benefits from Senior's popular SF52 aluminium curtain walling which is ideally suited for use in the retail sector thanks to its attractive slim sightlines that maximise the scale of the building and perfectly showcase both the company's brand and the cars on display.

As well as offering enhanced thermal efficiency to contribute to a more comfortable internal

environment for customers, the low U-values that the SF52 aluminium curtain wall system offers can also help to reduce the overall carbon calculations of car showroom schemes that are traditionally heavily dependent on the use of artificial lighting and air conditioning.

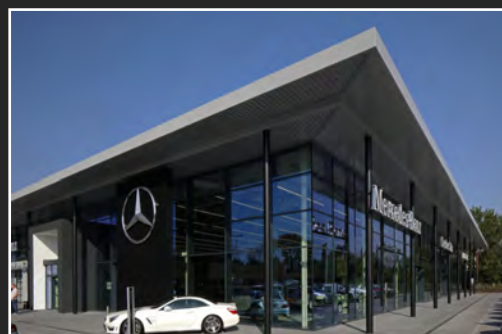
Senior's SF52 curtain walling has been further complemented by the use of its SPW600 aluminium windows and commercial SD doors which together help to provide a light and welcoming space for customers.



Architect:
 > **Fletcher Smith Architects**

Main Contractor:
 > **Hantall Developments Ltd**

Products:
 > **SPW600**
 > **SF52 Curtain Wall**
 > **SD**





case study
SHOWROOMS

PEUGEOT GARAGE

The designers of this recently refurbished Peugeot Garage in Cardiff demanded a high quality, long lasting and economical ground floor system.

To ensure the refitted garage remained pristine for many years to come, Senior Architectural Systems proposed products from its durable SFG and SD product ranges, all suited to high traffic applications

Products:

- > **SD Doors**
- > **SFG Shop Front**





a focus on **retail**

LEISURE

Our leisure time is very precious, and how we spend it is down to personal choice. Shopping, gym, a coffee with friends, meals out, football or rugby... the choice is endless. The growth in the leisure industry has been driven increasingly by technological advances, and the ability to work flexibly from anywhere, and the crossover between retail and leisure is now indistinguishable.



Even football and rugby clubs have retail outlets selling club merchandise, to maximise brand awareness and marketing potential.

Senior is more than adept at assisting designers in this environment, and offering solutions or ideas to gain the maximum impact.

- Folding sliding or inline sliding doors for a cafe style pavement culture eating experience.
- Unusual features to a facade or elevation.
- Marine specific powder coating options for buildings we enjoy on those seaside days out.



case study
LEISURE

SAVOY CINEMA COMPLEX

The new six-screen Savoy cinema and 5-restaurant complex in Doncaster is the latest major project in the town's Urban Centre Regeneration Masterplan.

Designed by Harris Partnership, the £8.5 million scheme extensively features Senior's slimline, thermally efficient SF52 aluminium curtain walling with robust SPW501 commercial doors installed at the main Cinema entrance. The glazing floods the cinema foyer with light, as well as providing high visibility of the interior to entice customers inside.

Now attracting hundreds of visitors, the new Cinema Complex will also create more than 100 new jobs and bring new business rate income into the borough.



Architect:
 > **Harris Partnership**

Main Contractor:
 > **Lindum**

Installer:
 > **Alusec**

Products:
 > **SPW501**
 > **SF52 Curtain Wall**





case study
LEISURE

COLCHESTER LEISURE

The striking, angular Colchester Leisure World extension incorporates Senior Architectural Systems' curtain wall systems, helping to achieve contemporary, sleek design aspirations for the centre's brand new coffee shop and entrance lobby.

The specification of curtain wall systems for this dramatic, pointed building ensures the entrance and new cafe areas are provided with a high-quality finish, welcoming visitors into the centre and creating a relaxed, calm environment for staff and customers alike.

Senior's aluminium SCW+ curtain walling systems and SD commercial doors were specified for the Essex-based project by designers NPS Group. Senior's curtain walling systems were installed at full height on the two main elevations. The screens are capped and meet at a tip to create a 'fin' shaped extension, bringing an ocean-theme and feel to the leisure centre. The systems, which are fully weather tested, help to maximise daylight and give clear, open views onto the centre and its surroundings including its distinguishing water slide feature.



Architect:
 > **NPS South East Architects**

Main Contractor:
 > **Cadman Group**

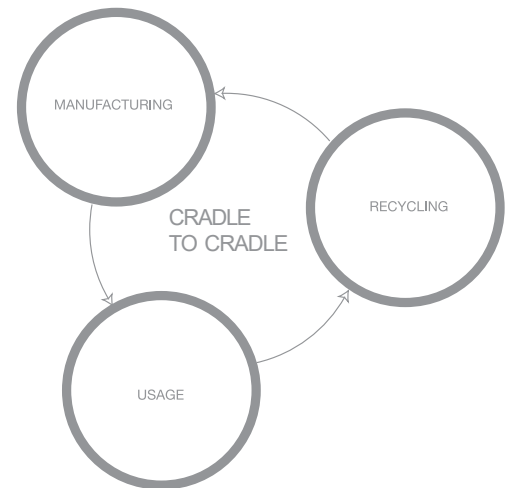
Products:
 > **SCW+ Curtain Wall**
 > **SD Doors**



protecting your environment

After more than two decades in business we are well known for our down-to-earth, cooperative approach. Fabricators, architects and contractors around the UK tell us that's why they choose to deal with Senior rather than anyone else.

As well as being totally committed to customer service, we actively work with a green agenda, demonstrating our commitment to the environment for now and future generations.



Sustainable systems

Our systems not only look good, but are sustainable too. Extended life spans and low maintenance, with maximum recyclability and outstanding thermal efficiency, help to make the best use of the world's finite resources.

Responsible sourcing

Our materials are responsibly sourced from reliable suppliers who have good environmental credentials. Wherever possible, we use local UK suppliers to reduce transport miles.

Aluminium systems are manufactured from recycled aluminium and timber is sourced from sustainable forests in main land Europe with full PEFC accreditation. For every tree felled, four are planted to ensure no negative impact on the environment.

BREEAM

BREEAM (Building Research Establishment's Environmental Assessment Method) is the world's foremost environmental assessment method and rating system for new buildings, setting the standard for best practice in sustainable building design, construction and operation.

We help architects and specifiers to achieve up to 40 of the 119 BREEAM credits available for new buildings, by careful specification of the fenestration material and glass choice from the Senior range of products, enabling fabricators, installers and contractors to build more sustainable buildings for future generations.

Beyond Senior

Our environmental responsibilities don't end at the factory door. Our Fabricator training includes waste reduction programmes and training on product efficiency and insulation requirements in use, to make sure that current building regulations are met and exceeded where possible.

For specifiers we offer a RIBA approved CPD seminar on 'Designing Sustainable Fenestration Systems' which gives advice on how, with careful design and specification, a BREEAM excellent rating can be achieved.

A bright future

We don't rest on our laurels. Each year we review how we've done and set ourselves new environmental objectives and targets, so that we can continue to improve our environmental credentials year on year.

In addition we are investing heavily in innovative new products with improved U values, with the aim of making the passive house a future reality.



helping you achieve BREEAM[®] credits

What is BREEAM?

BREEAM (Building Research Establishment's Environmental Assessment Method) is the world's foremost environmental assessment method and rating system for buildings, with 250,000 buildings with certified BREEAM assessment ratings and over a million registered for assessment since it was first launched in 1990. The system sets the standard for best practice in sustainable building design, construction and operation.

Ten categories for a sustainable building

A BREEAM assessment uses recognised measures of performance, set against established benchmarks, to evaluate a building's specification, design, construction and use.

Credits are awarded across ten categories, based on the outcomes of the building assessed. The credits are then combined to provide a single score, achieving either a Pass, Good, Very Good, Excellent or Outstanding overall BREEAM rating.

Senior and BREEAM

Senior Architectural Systems' product range has been developed with BREEAM at its centre. Our systems are proven to help you achieve a credible BREEAM rating. With many BREEAM rated projects already successfully utilising Senior products, we have a wealth of experience to assist the architect/designer in meeting their sustainability goals.



Categories	Credits Available	Senior Architectural products impact
Management	11	No
Health & Wellbeing	14	Yes
Energy	24	Yes
Transport	9	No
Water	9	No
Materials	13	Yes
Waste	7	Yes
Land Use & Ecology	10	No
Pollution	12	No
Innovation	10	Yes
Total	119	

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Senior Architectural is a major UK supplier of fenestration solutions. This brochure is intended to show what makes Senior's unique and how our products and services can make a difference to customers, clients, their projects and the environment.



SENIOR ARCHITECTURAL SYSTEMS

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