



ACCOMMODATION

Innovative window, door and curtain wall solutions for new build and refurbishment for both residential and commercial accommodation projects.



SENIOR ARCHITECTURAL SYSTEMS



our innovative products enjoy a proven heritage within the accommodation 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 refurbish a home, build a new one or develop an elderly care facility, or indeed a hotel.

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 accommodation type projects, both new build and refurbishment, and are always pleased to be associated with bringing aesthetically pleasing, comfortable, low maintenance buildings to fruition.




elderly care facilities
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student living
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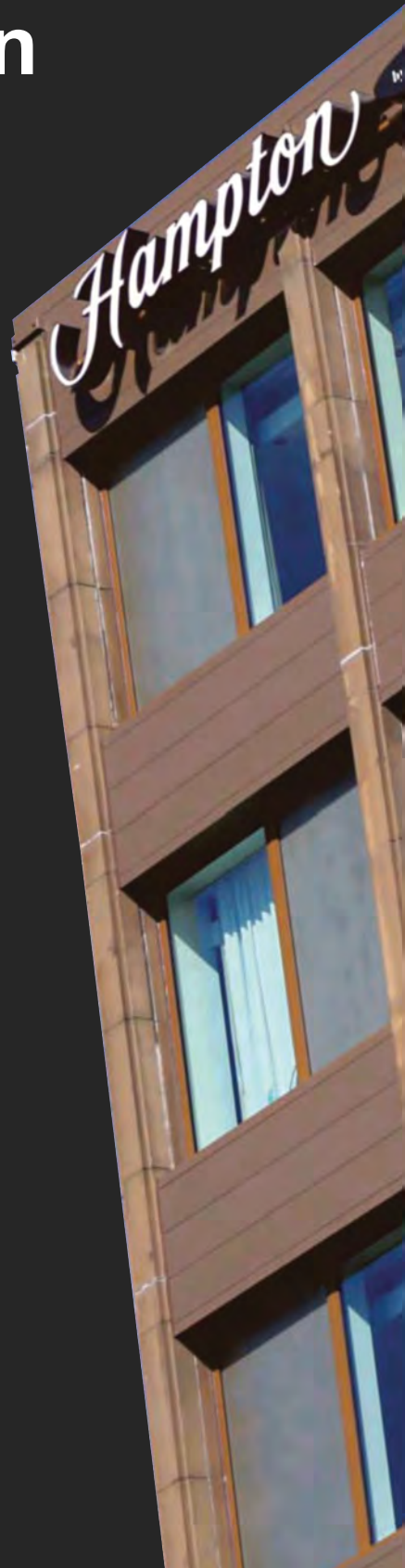
a focus on accommodation

The accommodation sector within the construction industry encompasses many differing types, both commercial and residential, which typically can be student accommodation, hotels through to nursing homes, with a whole variety of specification needs being paramount.

The emerging elderly care facilities are a prime example of managing the increasing need to future proof developments. This can include the provision of stimulating environments such as enclosed community streets, housing hairdressers, coffee shops etc, through to independent living apartments, with assisted living, supportive and nursing care all being under one roof, or accessible in one development.

The team at Senior enjoy the challenge of helping to solve these problems and revolutionising the industry, overcoming 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** - 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





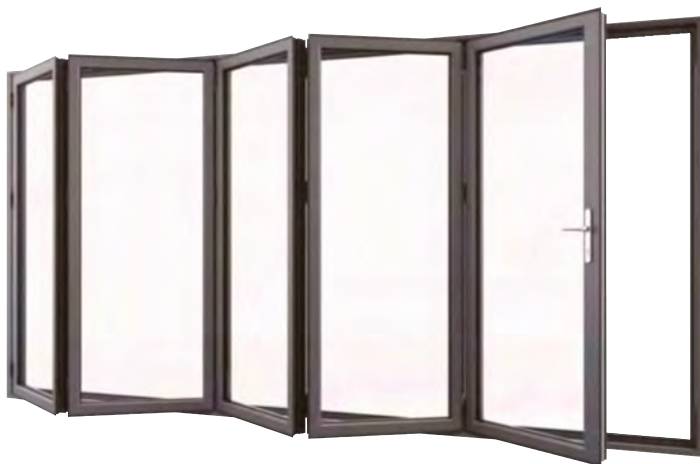
typical products

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



PURe® Windows

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



PURe® FOLD Folding Sliding Door

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



Aluminium Windows

Windows bring any building to life. At Senior you'll find a window for every application whether a new build or refurbishment. Crisp, clean, contemporary designs that add character, style, security and comfort.



Aluminium Doors

When it comes to making an entrance Senior doors give you the WOW factor. Imagine an almost limitless choice of colours and finishes. Plus the thermal efficiency and high level security demanded by today's discerning clients.



Aluminium Curtain Wall

Creativity can transform a building's façade into an impressive, iconic, award winning landmark. And Senior curtain walling helps architects, fabricators and installers to do just that. Whether ground floor or high rise buildings it's the creative answer for both new projects and refurbishments.





a focus on accommodation

ELDERLY CARE FACILITIES

Architects and designers are being challenged in this sector to provide not only a wonderfully designed residential environment that feels like home, but to also address the needs of an increasing elderly population to live an independent, fulfilling life for as long as possible.



Whether it is in the form of an extra care village development, or a more traditional residential or nursing home, this sector combines both a residential and commercial need. Some of the newer style extra care facilities cater for all ages over 55 with needs varying from just a wide ranging enriching environment for active older people through to dementia and end of life care.

- The use of single, double or sliding folding doors to balconies and patios increases the amount of available light and space.
- Curtain walling can be detailed for enclosing communal street environments on-site, whilst Senior SFG shopfront glazing can be used for retail outlets such as coffee shops and hairdressers.
- Large, thermally efficient windows and low door thresholds/automation can assist with visual impairment issues and access for wheelchair users or people with walking aids.



case study

ELDERLY CARE FACILITIES

SOLIHULL RETIRMENT VILLAGE

The aim of this new £61.5 Million development was to create a vibrant retirement community for the over 55s.

With 261 spacious and fully accessible one- and two-bedroom apartments, the complex also features a restaurant, hobby and activity rooms, cinema, hairdressing salon, bar, library and gym.

It was important that the apartments were bright and cheerful, warm and welcoming as well as secure. Which is why Senior's thermally efficient double glazed SPW600 aluminium windows, robust SPW501 Doors and thermally enhanced SF52 curtain walling were installed throughout the complex. Maximum daylight and a comfortable environment at all times.

Architect:

> **Nicol Thomas**

Main Contractor:

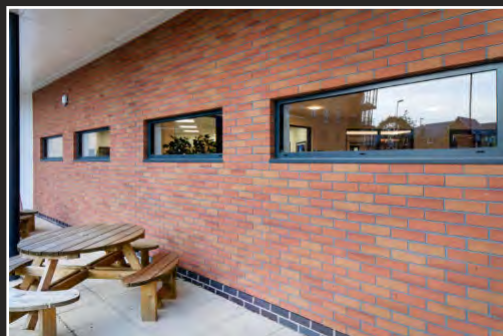
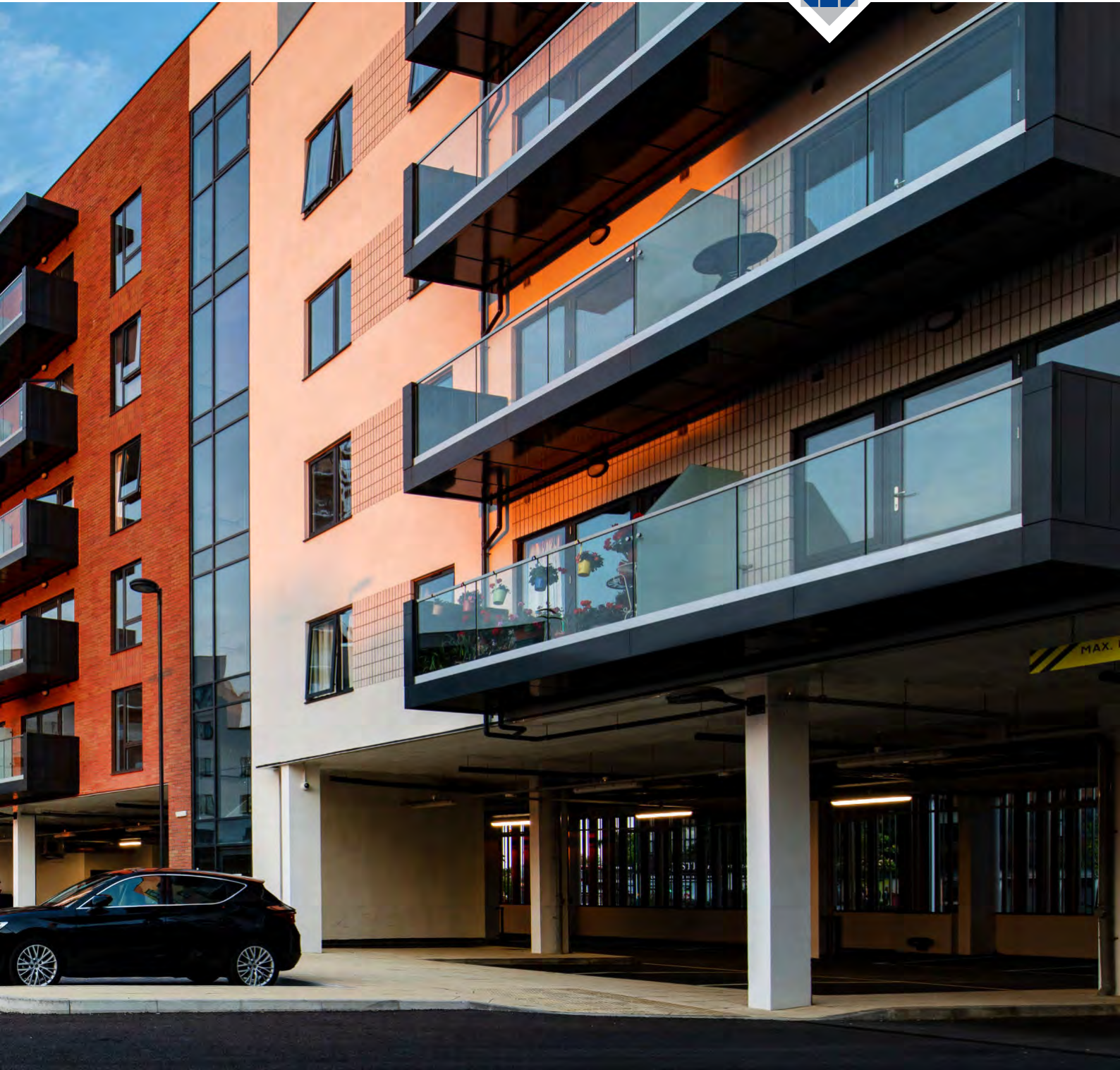
> **Vistry**

Products:

> **SPW600 Windows**

> **SPW501 Doors**

> **SF52 Curtain Wall**





case study

ELDERLY CARE FACILITIES

HARRISON PARK EXTRA CARE

The new Harrison Extra Care Home scheme in Hull was developed by Wates Residential to offer older people the independence of living in self-contained properties with the opportunity to receive extra care if needed. The scheme has 60 two-bedroom apartments and 5 one-bedroom apartments available for rent.

Senior's SF52 Curtain wall was chosen to flood the main entrance area with natural light, giving it a light, airy and spacious feel, whilst an abundance of SPW600e windows gives residents fantastic views. Senior's SD Automatic Doors were also installed to make life easier for residents with mobility issues.

Architect:

> **Croft Goode Architects**

Main Contractor:

> **Wates Residential**

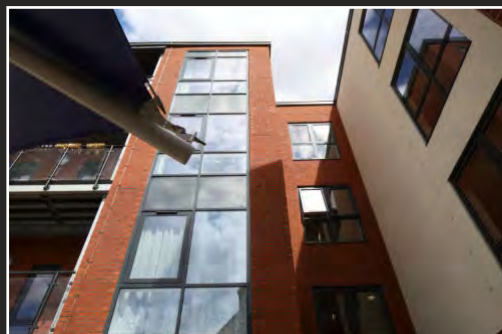
Products:

> **SPW600e Windows**

> **SPW500 Doors**

> **SD Doors**

> **SF52 Curtain Wall**





a focus on **accommodation**

STUDENT LIVING

Moving away from home for the first time can be quite daunting, and the provision of managed student accommodation makes the change much less stressful, both for the student and their parents!

Bright, modern and secure accommodation, close to the relevant campus with facilities on-site, makes for a much easier transition. Architects and designers are looking to make these developments cost effective but also thermally efficient using sustainable solutions.

- Automated and secure commercial type entrance doors, can ensure security.
- Thermally efficient windows and curtain walling reduce energy consumption.
- The correct choice of opening lights assist in ventilation.
- Large curtain walling or folding sliding doors to enclosed atriums, garden environments or communal areas can add aesthetic appeal.





case study

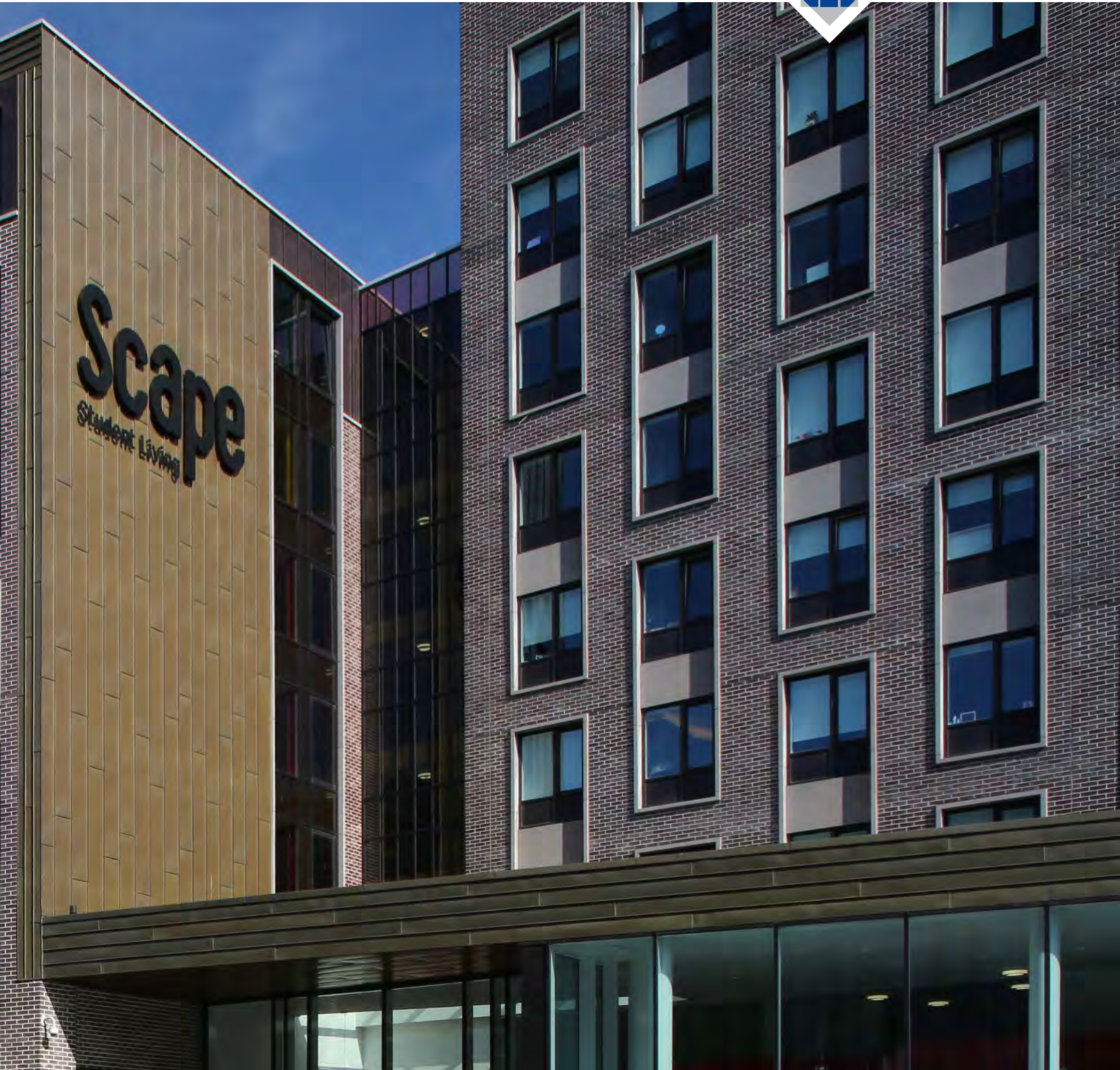
STUDENT LIVING

SCAPE STUDENT ACCOMMODATION

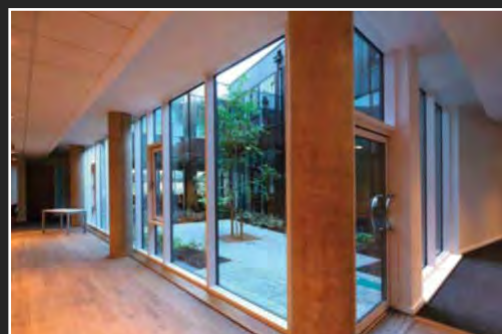
Jefferson Sheard Architects designed a building consisting of three primary blocks tiered in height. Sustainability issues are addressed by incorporating features such as green sedum roofing on two of the tiered blocks as well as ground source heating and cooling. Student accommodation occupies the majority of the building, with educational teaching facilities housed in the lower and ground floors.

With an innovative internal scheme by Ab Rogers, designers have created a bright,

modern and cost effective solution to student living. Scape Living caters for 600 students with study bedrooms not more than 12.5 square metres in area. Scape features two restaurants, a cafe/deli and an Asian fusion restaurant, along with several communal areas to cater for all student's needs. The very colourful internal design gives an innovative approach to compact city living; Scape Living is a functional, vibrant project that serves to benefit students as they embark on their university journey.



- Architect:
 > **Jefferson Sheard Architects**
- Main Contractor:
 > **HG Construction Ltd**
- Products:
 > **SPW600e Door**
 > **SD Door**
 > **SCW Curtain Wall**





case study

STUDENT LIVING

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 **accommodation**

RESIDENTIAL

When it comes to your own home, whether it's a refurbishment or a new build, the world is your oyster. Thermal performance has become paramount in the era of rising energy bills, but we really don't want to compromise on light, airy homes with views to the outside world.



Whether yours is an urban retreat from the hustle and bustle of city living, or a period home set in the rolling countryside, Senior enjoy the challenge of meeting some of the most difficult criteria.

- Increased thermal performance from selected products is now easily achievable.
- Larger style windows and doors to increase maximum daylight available.
- Secondary glazing solutions for acoustic problems such as airports or listed building problems.
- Multiple sliding or folding options for a more contemporary feel.



case study

RESIDENTIAL

WATERSIDE APARTMENTS

Designed by Leonard Design Architects the Waterside Apartment scheme is a luxury residential development on the banks of the River Trent, and a pivotal part of the wider regeneration of the area. It comprises 121 luxury apartments and duplex penthouses, with offices and leisure facilities on the ground floor.

To make the most of the breath-taking views, an extensive high performance fenestration package was specified from Senior Architectural Systems. This included thermally enhanced SF52 Curtain Walling and SPW600 Windows plus Senior's patented PURE® SLIDE aluminium doors renowned for their innovative thermal break and outstanding energy efficiency.

Architect:

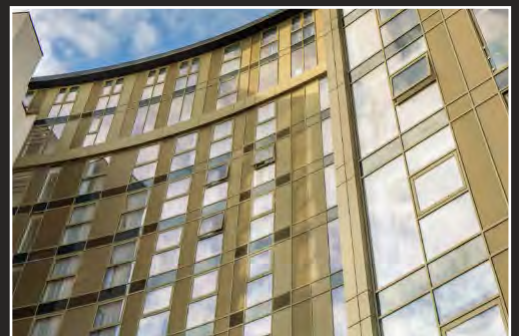
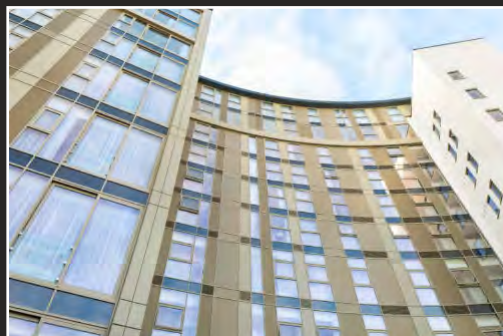
> **Leonard Design**

Products:

> **SPW600 Windows**

> **PURE® SLIDE Doors**

> **SF52 Curtain Wall**





case study

RESIDENTIAL

PRIVATE HOUSE

Working with the landscape through considered design ensured this beautiful contemporary new build property made the most of its stunning location.

Using high thermal performance large windows to all elevations, including a stunning edge-to-edge corner point, ensured views of the rolling countryside around were visible from anywhere within. Split level living was further enhanced by the addition of practical folding sliding doors to the patio and outdoor dining areas.

Developer:

> **Watson Developments**

Products:

> **SPW600e Windows**





a focus on **accommodation**

HOTELS

Hotel locations in busy city centre areas, or close to airport and transport hubs, generate one of the biggest problems for developers or refurbishment opportunities. Noise reduction prompts most designers to look to acoustic testing, to ensure a guests stay is perfect.



- Automated entrance doors allow for guests with luggage a smooth passage.
- Low threshold availability ensures accessibility.
- Opening vents can aid ventilation for those guests preferring cooler environments.
- Correct glazing specification can aid acoustic performance.



case study
HOTELS

HILTON, HEATHROW TERMINAL 5

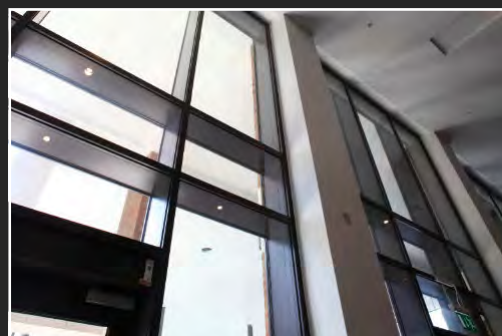
One of the latest in Hilton's portfolio of hotels, situated close to Heathrow's Terminal 5 building, has been fitted with around 600 windows and over 40 curtain wall screens from our high performance aluminium ranges.

The building features Senior's SPW600 75mm deep thermally broken casement system to achieve maximum noise isolation from aircraft flying directly overhead.

Architect:
> **EPR Architects**

Main Contractor:
> **Sisk Group**

Products:
> **SPW600 Windows**





case study

HOTELS

HAMPTON HOTEL

Residents of the new Hampton by Hilton hotel in Newcastle upon Tyne can enjoy spectacular views across the city thanks to windows supplied by leading fenestration designer and manufacturer Senior Architectural Systems.

Installed by VisualConcept Ltd, Senior's SPW 300 windows were specified for use on the new hotel, which has been created following the complete refurbishment and conversion of an existing 1970s office block known as Baron House. With all existing windows needing to be replaced, the SPW300 aluminium system offered the desired high level of thermal performance

and attractive slim sightlines. To offer even greater energy-efficiency and provide a more comfortable environment for the guests of the hotel, the SPW300 windows incorporate solar glass, which helps to minimise the absorption of heat and glare from the sun.

As the hotel is located in the heart of Newcastle city centre and overlooks the railway station, it was also vital that the new window system could offer exceptional sound-proofing and this has been achieved through the use of high quality acoustic glass.



Architect:
> *Studio Stuart Palmer Ltd*

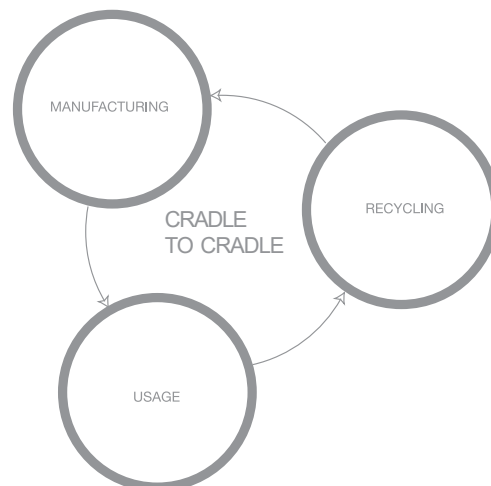
Products:
> *SPW300 Windows*



protecting your environment

After more than thirty years 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.

Our aluminium systems are manufactured from recycled aluminium.

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.

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.



Management
Health & Well-Being
Energy
Transport
Water
Materials
Waste
Land Use & Ecology
Pollution
Innovation

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	

helping you achieve BREEAM[®] credits

Senior and BREEAM

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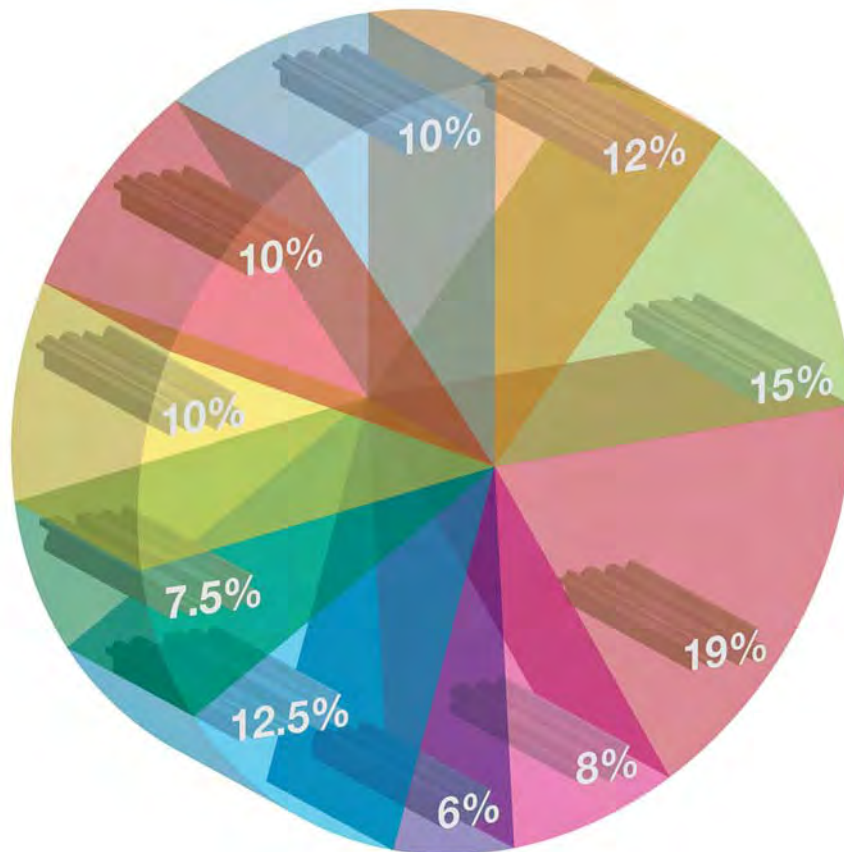
How our products/systems fit

The Senior Architectural Systems suite of products allows the specifier to gain credits across a number of categories.

Alongside providing credits in the Materials and Health & Well-Being category, we can also assist in helping you meet the requirements of the Mat 5 responsible material sourcing category and thereby achieve up to 3 credits; Senior Architectural Systems holds ISO 9001, ISO 14001 and ISO 45001 accreditation. Our thermally efficient systems, supported by thermal modelling of the fenestration elements can also achieve up to 15 credits within the Ene 1 category.

The company is also able to work with the specifier to quickly develop additional features and benefits to gain credits from the Innovation category.

Using products from Senior Architectural System can help future projects maximise the potential credits achievable.



Health & Well-Being	
Hea 1	daylighting 1 credit
Hea 2	view out 1 credit
Hea 3	glare control 1 credit
Hea 9	volatile organic compounds 1 credit
Hea 10	thermal control 2 credits
Hea 13	acoustic performance 1 credit

Energy	
Ene 1	energy efficiency part of 15 credits

Waste	
Wst 2	recycled aggregates 1 credit

Materials	
Mat 1	materials specification 4 credits
Mat 5	responsible material sourcing 3 credits

Innovation	
	part of 10 credits



SOLIHULL VILLAGE

The ExtraCare Charitable Trust

Innovative window, door and curtain wall systems

bringing buildings to life



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www.seniorarchitectural.co.uk



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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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