

The **complete** answer to window systems

High performance window solutions for new and refurbished buildings

SENIOR **ALUMINIUM** SYSTEMS™

the Senior window **difference**

All our window products are designed with meticulous attention to detail and are available either in aluminium, Hybrid timber/aluminium composite and fibreglass.

Privately-owned, the ongoing mission at Senior Architectural Systems is to offer high performance window solutions to meet the needs of each project so that the fabricator is competitive and the client is totally confident.

Options:

Hinged Lights
Pivot
Tilt/Turn
Vertical Slider
Parallel Push
Overswing
Frameless
Single Glazed
Double Glazed
Triple Glazed
Opening Restrictions
Dual Colour
Oak/Spruce/Painted /Lacquered

Features:

Thermal Performance
Slim Sightlines
Long Warranties
Automation Compatible
BMS Friendly
Low U-Values
A-Rating
Ergonomic Hardware
Envelope/Interface Compatible

Testing:

Weather Tested
Security Tested



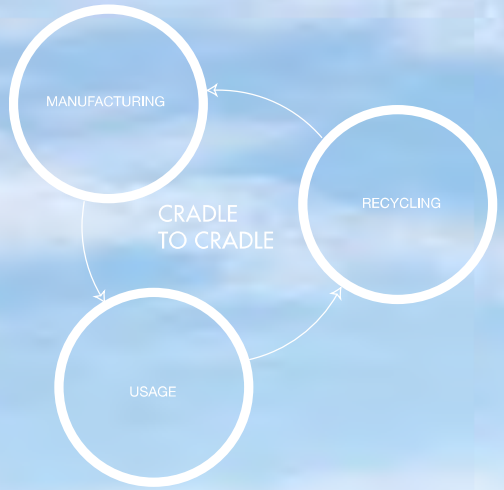
taking the environment seriously

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.

We minimise the risk of any chemical releases during production and our systems in aluminium, wood, glass and fibreglass are perfect for producing low maintenance, energy efficient windows and façades that have a long life.

Our metal of choice is aluminium. It recycles perfectly without losing any of its properties. And best of all for our planet, we make sure that our suppliers of wood always plant more trees than we use.



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

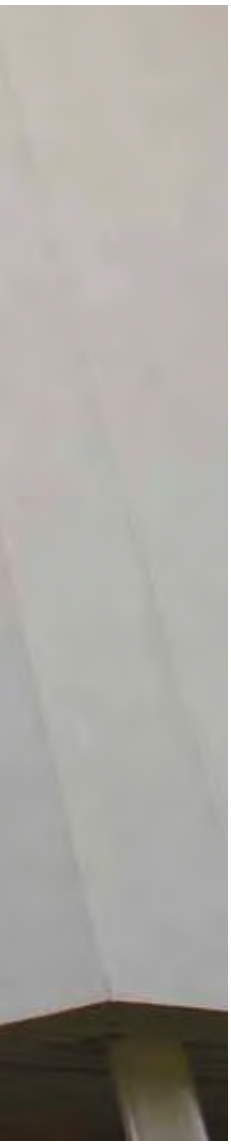
Senior Architectural Systems product range has been developed with BREEAM at its centre. Our systems are proven to help you achieve a credible BREEAM rating. With many BREEAM rated projects already successfully utilising Senior products, we have a wealth of experience to assist the architect/designer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

aluminium
window systems



Senior Architectural Systems provides high performance window solutions for new and refurbished buildings.

The systems have been developed and tested to suit most environments. Educational, commercial and retail applications, transport terminals and health service buildings are just a few of the markets in which Senior Architectural Systems has a well earned reputation for service, quality, delivery and technical support.



Overview
Five systems are available, **SPW300** medium to high thermal performance, **SPW600** high thermal performance, **SPW600e** enhanced high thermal performance, **SMRF** frameless casement window and **SMRFP** parallel push window.

Senior's extensive suite of profile designs is constructed from environmentally friendly aluminium and responsibly sourced timber and is supplied with comprehensive product and finish warranties.

Each and every component is stocked and fabricated locally, allowing us to provide responsive delivery and lower transportation costs, as well as benefitting the environment by keeping our carbon footprint to a minimum.

Senior window systems are designed for and focused on the UK and Irish market, achieving industry leading U-values which conform to UK architecture and Building Regulations. We are able to react to any last minute design changes, giving you greater control.

Depending on the system selected, glazing can range from a 4mm single pane to 56mm double glazed units. By varying the glazing specification and system/profile selection, high insulation and specific overall U-values can be achieved.

Flexibility
The majority of our window ranges are compatible with other Senior products. All are available in single or dual colour finish, anodised or mill finish.

Dependent on the range specified, Senior systems are available as casement, tilt and turn, top swing reversible and pivoting windows.

A full range of window hardware is available, including cockspur handles, friction stays, folding cam openers, tilt and turn gearing, overswing gearing, pivots and espagnolette locking for added security, including solutions to meet SBD (Secured by Design) criteria.

Powder coating
With a dedicated colour coatings division, which is one of the UK's largest, Senior provides a single source solution. Featuring state-of-the-art vertical and horizontal lines and a fully accredited integral pre-treatment facility, Senior offers a cost-effective, highly efficient and time-sensitive turnaround service.







Options
Senior windows are available in a wide selection of configurations.

Hinged Lights. Fixed Lights. Pivot. Tilt/Turn. Parallel Push. Overswing. Frameless. Single/Double/Triple Glazed. Opening Restrictors. Dual/Single Colour. Anodised. Mill finish.

Environmental
The aluminium window range, when used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment and the Code for Sustainable Homes, can offer significant benefits. For project specific assistance, please contact our specification team.

Independent testing
Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

Weather tested to BS6375.

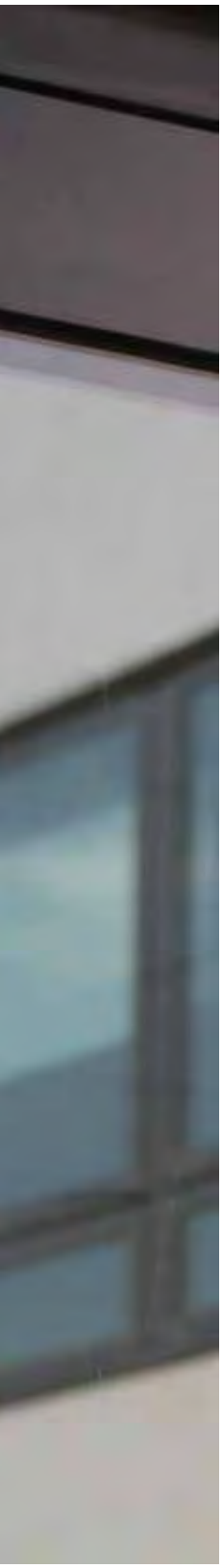
Technical support
For detailed information on weather ratings, U-values and any other technical matter, please contact our technical department:

support@seniorarchitectural.co.uk
or call, +44 (0)1709 772 600



aluminium window systems

/SPW300
/SPW600
/SPW600e
/SMRF



SPW300
The SPW300 window is a thermally broken polyamide window system that achieves good thermal U-values. It has a slim sightline, a wide variety of window styles and is available single or dual colour.

Configurations
/ Open Out Casement (Top or Side-hung)
/ Inward Opening Tilt/Turn
/ Overswing
/ Pivot
/ Fixed Light



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

Configurations
/ Open Out Casement (Top or Side-hung)
/ Inward Opening Tilt/Turn
/ Overswing
/ Fixed Light



SPW600e
SPW600e offers further thermal improvement to the SPW600 range, achieving improved BFRC ratings.

Configurations
/ Open Out Casement (Top or Side-hung)
/ Inward Opening Tilt/Turn
/ Overswing
/ Parallel Push
/ Fixed Light



SMRF
SMRF is a flush glazing solution with no framework visible on the external façade. For use in curtain wall applications.

Configurations
/ Open Out Casement (Top or Side-hung)
/ Parallel Push



SMRFP
SMRFP is a parallel action window allowing free air to all four sides of the window.

Configurations
/ Open Out Parallel





The **complete** answer to door systems

High performance door solutions for new and refurbished buildings

SENIOR **ALUMINIUM** SYSTEMS™

the Senior door **difference**

All our door products are designed with meticulous attention to detail and are available either in aluminium, Hybrid timber/aluminium composite and fibreglass.

Privately-owned, the ongoing mission at Senior Architectural Systems is to offer high performance door systems to meet the needs of each project so that the fabricator is competitive and the client is totally confident.

Options

Sliding/Folding
Lift/Slide
Tilt/Slide
Single
Double
French
Commercial/ non-commercial
Residential
Open-in
Open-out

Features

Thermal Performance
Slim Sightlines
Long Warranties
Automation Compatible
BMS Friendly
Low U-Values
A-Rating
Ergonomic Hardware
Envelope/Interface Compatible

Testing

Weather Tested
Security Tested



aluminium door systems



Senior Architectural Systems provides high performance aluminium door solutions designed for personnel access, emergency escape, automatic entrances and sliding doors.

Commercial, residential and retail applications, transport terminals, health service buildings and educational establishments are just a few of the markets in which Senior Architectural Systems has a well earned reputation for service, quality, delivery and technical support.



Overview
Four systems are available, **SPW300** medium thermal performance, **SPW400** sliding folding door system, **SPW600/e** high/enhanced thermal performance, and **Hybrid** a high performance timber/aluminium solution.

Products that look and perform well are essential. Senior door systems are constructed using environmentally friendly aluminium and, depending on the system selected, can incorporate glazing ranging from a 4mm single pane to 56mm double glazed units. By varying the glazing specification and system/profile selection, high insulation and specific overall U-values can be achieved.

Also available are the SD and SPW500 door options, suitable for high usage applications where a heavy duty solution is desirable and with options for thermal and non-thermal performance as required.

Flexibility
Senior entrance door systems are compatible with Senior SCW, SCW+, SMR800, SMR900 and the Hybrid range of curtain wall systems. They are available in single or dual colour finish. Dependent on the range specified, Senior entrance door systems are available with single, double, inward and outward opening options.

A full range of door hardware is available, including butt hinges, letter plate and multi-point locking for added security, including solutions to meet SBD (Secured by Design) criteria.

Senior entrance door systems are designed and focused on the UK market, seamlessly conforming to UK architecture and Building Regulations. We are able to react to any last minute design changes, giving you greater flexibility.

Powder coating
With a dedicated colour coatings division, which is one of the UK's largest, Senior provides a single source solution. Featuring state-of-the-art vertical and horizontal lines and a full pre-treatment facility, Senior offers a cost-effective, highly efficient and time-sensitive turnaround service.







Options
Senior aluminium doors are available in a wide selection of configurations.

Single. Double. Commercial. Residential. Open In/Out. Sliding/Folding. Single/Dual Colour. Anodised. Mill Finish.

Environmental
The aluminium door range, when used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment and the Code for Sustainable Homes, can offer significant benefits. For project specific assistance, please contact our specification team.

Independent testing
Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

Weather tested to BS6375.

Technical support
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or call, +44 (0)1709 772 600



aluminium door systems

/SPW300
/SPW600
/SPW600e
/SD



SPW300
The SPW300 door is a 51mm thermally broken polyamide door system, capable of being manufactured in single, double, inward or outward opening and utilising low thresholds.

Configurations
/ Single & Double Hinged Open In
/ Single & Double Hinged Open Out



SPW600 / SPW600e
A 75mm thermally broken polyamide door system, capable of being manufactured in single, double, inward or outward opening and utilising low thresholds. Available in single or dual colour. SPW600e offers further thermal improvement achieving BFRC ratings.

Configurations
/ Single & Double Hinged Open In
/ Single & Double Hinged Open Out



SD
Designed to provide a high performance commercial door and framing solution capable of being manufactured in single, double and emergency door types and utilising low thresholds and a variety of options including radius anti-finger trap stiles. Proven over many years usage.

Configurations
/ Single & Double Hinged Open In
/ Single & Double Hinged Open Out
/ Single & Double leaf, Single & Double action Pivot
/ Sliding
/ Sliding Folding Open In
/ Sliding Folding Open Out



SPW500
A thermally broken polyamide framing system. Designed to provide a high performance commercial door and framing solution capable of being manufactured in single, double and emergency door types and utilising low thresholds and a variety of options including radius anti-finger trap stiles.

Configurations
/ Single & Double leaf
/ Single & Double action Pivot
/ Sliding



SPW400
SPW400 is a thermally broken polyamide door system with low thresholds and no intermediate stiles for slim sight lines. It is capable of two to eight multi-pane configurations, and available single or dual colour.

Configurations
/ Sliding Folding Open In
/ Sliding Folding Open Out







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REALE Patio Door

Vertical Cross Section – Direct Fix

