



The complete answer to window systems

High performance window solutions for new and refurbished buildings



SENIOR **ALUMINIUM** SYSTEMS™



04	the Senior window difference
06	material systems
08	the environment
10	BREEAM®
12	aluminium window systems
16	hybrid window systems
20	fibre window systems
24	glazing systems
26	case studies

window systems that bring environments to life

Senior Aluminium Systems, part of Senior Architectural Systems' family of fenestration solutions, offers a comprehensive range of window products for commercial and residential applications.

Senior supplies innovative window systems to both commercial and residential construction markets. From dedicated ISO 9001 quality accredited service centres in England, Wales and Scotland, Senior prides itself on providing a responsive and personal customer service with local availability, and on forming long term, mutually profitable relationships with specifiers and fabricators.

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*



material systems

Senior Architectural Systems offer specifiers and fabricators a wide range of stocked profiles which can be finished in-house to meet site requirements. The highest quality materials are chosen on the basis of responsible sourcing and high recyclability.

Our mission at Senior Aluminium Systems is to offer high performance aluminium glazing systems to meet the needs of every project.



SENIOR **ALUMINIUM** SYSTEMS™

The original and trusted high insulation timber and aluminium composite solution. Developed, manufactured and supplied in the UK.



SENIOR **HYBRID** SYSTEMS™

An innovative range of fibreglass windows and doors, offering impressively high performance and strength alongside class-leading acoustic ratings.



SENIOR **FIBRE** SYSTEMS™

Senior Glass Systems offer high performance glazing products to meet the needs of all new and refurbishment projects.



SENIOR **GLASS** SYSTEMS™



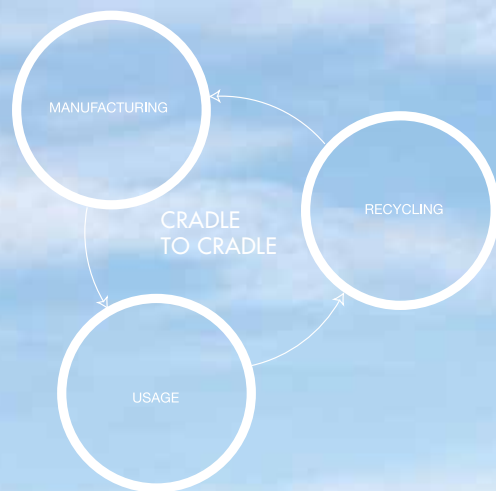
taking the environment seriously

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.



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	

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
/OMDF

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

