



The complete answer to secondary glazing

High performance secondary glazing solutions for new and refurbished buildings



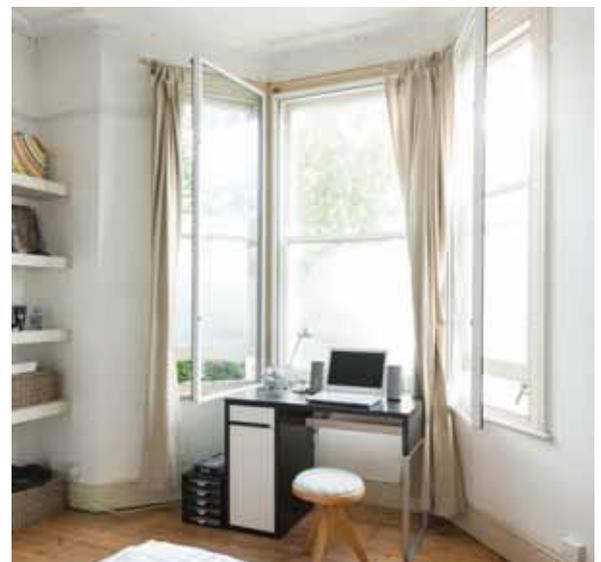
SENIOR **ALUMINIUM** SYSTEMS™



add extra performance with secondary glazing systems

Secondary glazing is a fully independent window system installed to the room side of existing windows. The original windows remain in position and in their unaltered form.

Suitable for both commercial and residential projects, secondary glazing is available as open-able, removable or fixed units. The open-able panels can be either side hung casements or horizontal or vertical sliding sashes. These allow access to the external window for cleaning and the opening of both the secondary glazing and external windows for ventilation. Fixed forms of secondary glazing are designed to be removed in warmer months when the thermal benefits are not required.



Secondary glazing is suitable for a wide range of both commercial and residential applications; listed buildings, conservation areas, offices, schools, colleges, universities, hospitals and hotels.

Listed buildings and conservation areas

Many listed properties retain original period single-glazed windows, which can lead to poor heat and acoustic insulation. Replacing such windows is typically not an option due to Listed Building Consent restrictions. The installation of a secondary glazing system is a reversible alteration and a solution to conserving the exterior character of a period property while helping to create a positive impact on the buildings thermal and acoustic performance.

Improved thermal insulation

With increasing energy costs, emerging environmentally focused initiatives such as BREEAM® and continuous revisions to Building Regulations, the drive to create thermally efficient buildings is higher than ever. While double-glazing is proven to help improve thermal performance, it cannot completely stop the loss of heat in buildings. The installation of a secondary glazing system provides an additional layer of insulation and added benefits including increased thermal efficiency and reduced energy costs.

Increased acoustic insulation

Particularly relevant to residential buildings, where noise pollution from traffic etc can create an issue for occupants, leading to the introduction of Building Regulations Approved Document E, the need to control noise in the spaces we create is essential. Secondary glazing provides an effective solution for a range of commercial, residential and public buildings, including libraries, universities, retail, meeting rooms, hotels, offices and many more.

Enhanced security

Particularly effective in listed and period properties, where the original windows may lack modern security fittings, secondary glazing creates a secure additional barrier.

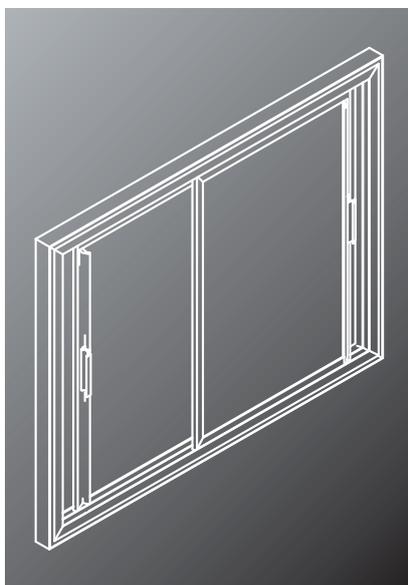
Senior supplies innovative fenestration systems to both commercial and residential construction markets. From dedicated ISO 9001 quality accredited service centres in England, Wales and Scotland, Senior prides itself on providing a responsive and personal customer service with local availability, and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

Senior secondary glazing system

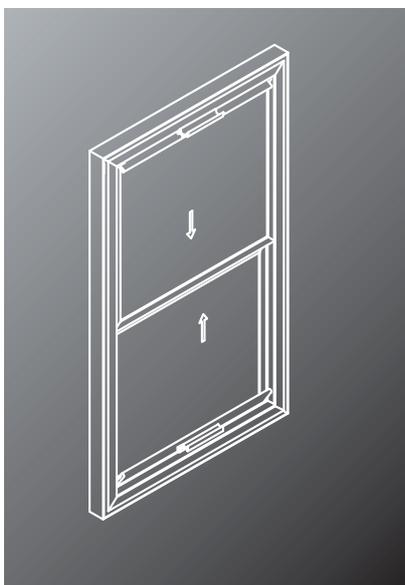
The Senior range of aluminium secondary windows is designed for double-glazing existing primary windows. Easily fitted and operated, the system allows for cleaning and maintaining both the existing primary and applied secondary window. When installed, the system provides all the thermal and acoustic advantages of double-glazing.

Options

- / Single Light Duty Fixed Light
- / Single Fixed Light
- / Hinged Lights
- / Lift-Out
- / Horizontal Sliding
- / Vertical Sliding



/ Horizontal Sliding

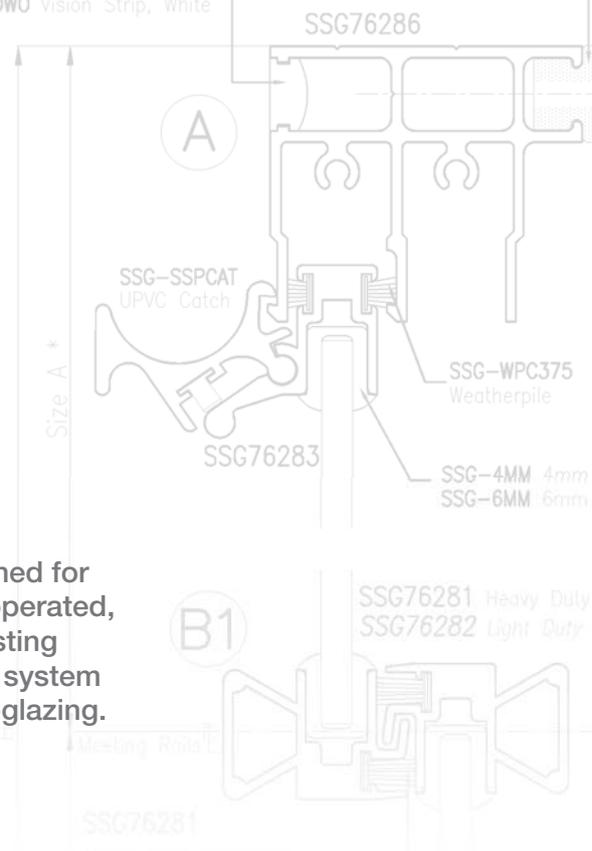


/ Vertical Sliding

SPW300 window system

Our SPW300 window system can be used as an option in a secondary glazing application for larger sized apertures. Please contact our technical department for more information.

SSG-VSS000 Vision Strip, Black
SSG-VSS0W0 Vision Strip, White



Options

The Senior secondary glazing system is available in a wide selection of configurations.

Single Light Duty Fixed Light. Single Fixed Light. Hinged Lights. Lift-Out. Horizontal Sliding. Vertical Sliding.

Materials and manufacture

Aluminium sections are extruded from 6063 T6 alloy to BS 1474, 1987 (extruded aluminium and aluminium alloys for general engineering purposes; bars, extruded round tubes and sections). Frame corners are mitred and screw jointed with stainless steel self-tapping screws.

Finish

Standard powder coated (white) to BS 6496 1984, and Aluminium Anodised to BS 3897, 1991. Other colours available, ask for details.

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



Case study | Commercial
**Hilton Hotel,
Terminal 5, Heathrow**

*SPW600 double-glazed windows
STW200 single-glazed full height
side hung windows*

When the Hilton hotel near Heathrow Airport's Terminal 5 faced acoustic challenges associated with low-flying aircraft Senior Architectural Systems' SPW600 double-glazed window suite was specified, backed by Senior's single-glazed STW200 full height side hung windows. The combination of these two systems proved to be the ideal solution. Now in use, and even though the hotel is located just minutes from the terminal building, guests are hard-pressed to detect the double-deck, wide-body, four-engine jet airliners that fly regularly overhead.

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Enhanced Security Window BS 7950
Certificate Number 068
Aluminium Windows BS 4873
Certificate Number 072
Enhanced Security Doorsets PAS 23 & 24
Certificate Number 088



ALUMINIUM

HYBRID

FIBRE

GLASS



SENIOR ARCHITECTURAL SYSTEMS

Senior Architectural is a major UK supplier of fenestration solutions, specialising in providing aluminium, timber, glass and fibreglass glazing systems to the highest standards. 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.

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