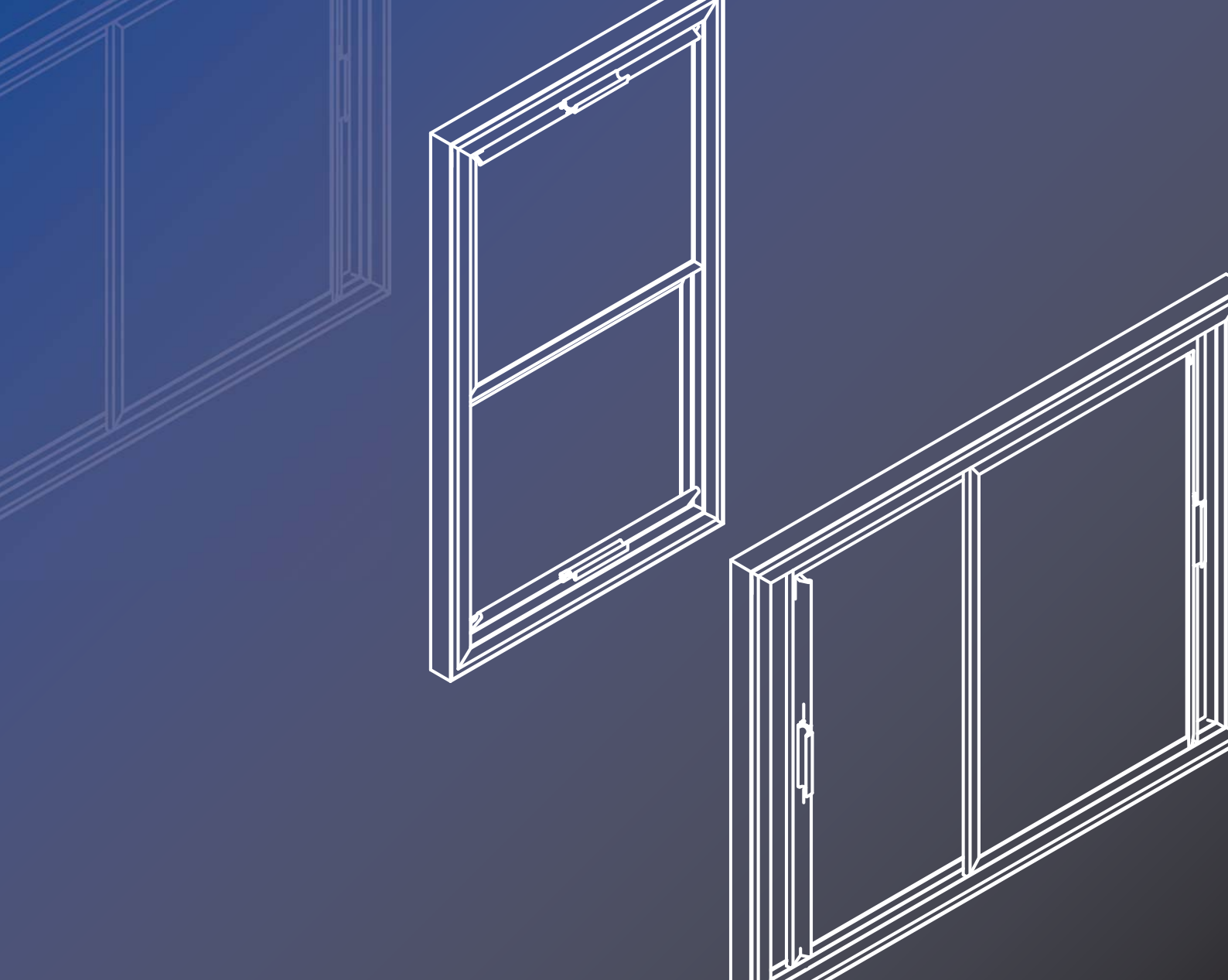




Technical information

Secondary glazing systems



SENIOR **ALUMINIUM** SYSTEMS™

Scope

The Senior range of aluminium secondary windows is designed for secondary-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.

Materials

- Aluminium sections are extruded from 6063 T6 alloy to BS EN 755-9:2008 (extruded aluminium and aluminium alloys for general engineering purposes; bars, extruded round tubes and sections).

Finishes

The Senior range of aluminium secondary windows are available typically in 2 finishes.

- Polyester Powder Coating to BS 6496:1984 - painted in house as standard in white (other colours are available) and surface finish at 40 microns standard in accordance with ISO9001, ISO14001 and ISO18001.
- Anodised and Anolok finishes are to BS 3987:1991 to a minimum of 25 microns (AA25), supplied in satin and in a limited range of colours.

Construction

Frame corners are mitred and screw jointed with stainless steel self-tapping screws.

Maintenance

Aluminium requires only regular washing down with soap (or mild detergent) and water.

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.

Typical sizes

	Maximum area (m ²)
Single Light Duty	1.8
Fixed Light	1.8
Single Fixed Light	2.2

Hinged Lights. (hinge weight limit 4kg)

	Max width (mm)	Max height (mm)
Side Hung	700	1800
Top Hung	1500	600
Double Side Hung	1400	1800

Lift-Out

	Maximum area (m ²)
4mm Glass	1.5
6mm Glass	1.03

Weight is the main factor for these units and a limit of 15kg should not be exceeded.

Horizontal Sliding Maximum Load per 9kg Roller

	Max width (mm)	Max height (mm)
76282 meeting stiles	1200	1300
76281 meeting stiles	1200	2000

Vertical Sliding (weight is the main factor)

Spirex, 13.7mm dia., capacity per pair	13kg
Maximum area for 4mm glass	1.3m ²
Maximum area for 6mm glass	0.88m ²

Glazing

Thickness	4mm	to	6mm
-----------	-----	----	-----

Note: All Glazing should be carried out to the recommendations of B.S.6262. Single glazing 4mm to 6mm is standard using channel glazing gaskets

Environmental

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

Secondary glazing, when used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification) can offer significant benefits. For project specific assistance, please contact our specification team.

Specification. Please contact our national team of architectural advisors for advice on product suitability, calculations and NBS or bespoke specifications.